

ENTRY LEVEL TEST

Entry level test is a standardized aptitude test that measures the aptitude level of students in various areas such as verbal, math, analytical and writing skills. It serves as a prerequisite in assessing the potential of students. Hence, these tests are not designed to measure what students have learned in their school, rather, it measures the ability of the students to shine in future. An entry level test is always an added advantage in understanding the diverse skill set of students which ultimately helps in harnessing the power of customized learning solutions. Therefore, through the entry level platform we can figure out students with high capacities to learn and those with low capacities which in turn lead to the adoption of sophisticated and tailor-made teaching learning strategies.

Objectives

- To identify the diverse skill set among students
- To categorize students into advanced and slow learners



**B.SC. AQUACULTURE & B.SC. INDUSTRIAL FISH AND FISHERIES
ENTRY LEVEL TEST (2016-2019)
ST. ALBERT'S COLLEGE (AUTONOMOUS), ERNAKULAM**

- The larva of prawn is
 - Glochidium
 - Trochophore
 - Zoea
 - Alima
- Pen culture is a system for culturing
 - Fish
 - Birds
 - Turtles
 - Covals
- Freshwater ecology is also called as
 - Oncology
 - hydrology
 - limnology
 - meteorology
- Various steps in food chain are called
 - Food web
 - energy web
 - energy flow
 - Trophic levels
- The tides in the ocean are caused by
 - Wind over the sea
 - gravitational pull of the moon
- A step in canning of raw material in brine
 - Frying
 - cooling
 - Roasting
 - blanching
- Elasmobranchi includes
 - bony fishes
 - cartilaginous fishes
 - jawless fishes
 - rays and skates
- Carassiusauratus is the scientific name of
 - Molly
 - guppy
 - Gold fish
 - mullet
- Self brine is the term associated with
 - Canning
 - pickling
 - Smoking
 - salting
- Which is the primary cause of spoilage of fish?
 - Bacteria
 - fungi
 - Protozoa
 - virus
- Oviparous fish produce
 - Eggs
 - Babies
 - Young ones
 - Adults
- Who is known as the father of Zoology.....
 - Darwin
 - Aristotle
 - Lamark
 - Theophrastus

13. Animal without red blood cells.....
 - a) Frog b) Earthworm d) Snake d) Peacock
14. Which is a maritime state.....
 - a) Assam b) Meghalaya c) West Bengal d) Bihar
15. What is the average salinity of seawater?
 - a) 15 ppt b) 100 ppt c) 66 ppt d) 35 ppt
16. Which of these is not part of the endocrine system?
 - a) lungs b) pituitary gland c) adrenal gland d) thyroid gland
17. Liver secretes:
 - a) No enzymes b) Digestive enzymes c) Hormones d) Succus entericus
18. Which one of the following is regarded as main cellular fuel?
 - a) Protein b) Fat c) Fructose d) Glucose
19. Pascal is the unit for
 - a) Thrust b. pressure c. frequency d. conductivity
20. Sound travels at the fastest speed in
 - a) steel b. water c. air d. vacuum
21. Loaches belong to the family
 - a) Cyprinidae (b) Cobitidae (c) Amblycipitidae (d) Siluridae
22. Which one of the following is regarded as main cellular fuel?
 - a) Protein b) Fat c) Fructose d) Glucose
23. Chromatophores are situated in the of fishes
 - (a) Intestine (b) Heart (c) Dermis (d) Eyes
24. The olfactory epithelium of teleost is highly secretory due to the presence of
 - (a) Phosphatase activity (b) Water (c) Gland cells (d) Lipids
25. Fishes in culture ponds come to the surface in the morning for want of
 - a) Oxygen. b) Food c) Sunlight. d) Shade
26. In Tropical Countries, the fish matures
 - a) Late. b) Early c) Rarely. d) Seasonally
27. What is called a tiger prawn?
 - a) *Penaeus indicus*. b) *Metapenaeus dobsoni* c) *Penaeus monodon* d) *Metapenaeus* sp
28. Which one of the following is a live feed organism?
 - a) Tubifex. b) seaweed c) crab d) Oyster
29. Who is known as father of Zoology.....
 - a) Darwin b) Aristotle c) Lamarck d) Theophrastus
30. Animal without red blood cells.....
 - a) Frog b) Earthworm d) Snake d) Peacock
31. Which is a maritime state.....
 - a) Assam b) Meghalaya c) West Bengal d) Bihar

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 a) Protein b) Fat c) Fructose d) Glucose
36. Which blood group is known as a Universal donor?
 a) A+ b) A- c) AB d) O
37. Cirrhosis is a disease that affects which among the following organs?
 a) Kidney b) Liver c) Pancreas d) Small Intestine
38. What provides instant energy?
 a) Fat b) Carbohydrates c) Protein d) Vitamin
39. Venom of cobra attacks on?
 a) Digestive system b) Nervous system c) Circulatory system d) Respiratory system
40. Which organ of the body produces the fluid known as bile?
 a) Liver b) Pancreas c) Gallbladder d) Kidney
41. Hepatitis is a general term for a disease that is caused by:
 a) Viruses b) Bacteria c) Parasites d) All the above
42. Which one of the following systems of the body is primarily attacked by HIV?
 a) Cardiovascular b) Immune c) Respiratory d) Reproductive
43. Which one of the following gems is produced by animals?
 a) Diamond b) Emerald c) Ruby d) Pearl
44. Sundarban is located in
 a) Gujarat b) Bangladesh c) West Bengal d) West Bengal and Andhra Pradesh
45. Which is called a guppy?
 a) Macropodus b) Colisa c) Mollienisia d) Poecilia
46. National fish of India
 a) Sardine b) Pearl spot c) Mackerel d) Tuna
47. Which one is the ornamental fish?
 a) Common carp b) Tilapia c) Gold fish d) Catfish

48. Which of the following not a fish
a) Jellyfish b) Seer fish c) White bait d) Lady Fish
49. What is the average salinity of seawater?
a) 15ppt b) 100ppt c) 66ppt d) 35ppt
50. Study of fish is known as
a) Ornithology b) Ichthyology c) Ethology d) entomology
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Research Department of Fisheries & Aquaculture



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with CGPA of 3.24, ISO 9001:2015 Certified
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MARKLIST

No.	Adm. No	Name	Marks for Entry level test
1	229	JIYA JAIN	47
2	234	ASHNY	40
3	374	NITHIN JOSEPH	42
4	409	STENY JOSEPH	44
5	740	SHARON T JOHN	38
6	410	ASHWIN JOSEPH V	40
7	544	AJEESH FELIX	38
8	232	LAKSHMI S	34
9	233	SREELAKSHMI C S	39
10	235	MARY JOSHNA K J	41
11	375	SYAMI	41

12	503	SREYA S PILLAI	43
13	505	AISWARYA K B	39
14	507	ANANTHAPADMANABHAN	45
15	508	PARVATHY P S	42
16	592	ADHEENA	38
17	543	ABHIJITH SOBHANAN PANICKER	37
18	668	FARHANA SHIRIN	44
19	579	FAREEDA AOUBUKARUGOTHI	41
20	236	HENCY MARIYA SUNNY	41
21	237	MARY GREESHMA	38
21	238	PHILOMIN CHRISTEENA	42
22	370	NIMAL SONY	40
23	376	SANEESH C.X	38
24	557	KEVIN JOSEPH MATHEW	41
25	230	ABHITHA J KARUN	38

26	473	SANDEEP	37
27	377	ANJALI T.S	45
28	378	ANUSHA SABU	43
29	470	DEEPTHI	44
30	530	ASWATHY MOHAN	39



ENTRY LEVEL TEST (2016-2018)

M.SC. APPLIED FISHERIES AND AQUACULTURE

- Maximum absorption of water in mammals is in:
 - Lungs
 - Skin
 - Kidney
 - Spleen
- The absorption of ink by blotting paper involves
 - viscosity of ink
 - Capillary action phenomenon
 - diffusion of ink through the blotting
 - siphon action
- Which one of the following is regarded as main cellular fuel?
 - Protein
 - Fat
 - Fructose
 - Glucose
- Plants are similar to animals because:
 - They respire during night
 - They respire during the day and night
 - They respire when it is required
 - They respire during the day only
- Light year is a unit of
 - time
 - distance
 - light
 - intensity of light
- Pascal is the unit for
 - Thrust
 - pressure
 - frequency
 - conductivity
- Sound travels at the fastest speed in
 - steel
 - water
 - air
 - vacuum
- Adipose tissue of fish is formed of
 - Protein
 - Amino acid
 - Fat
 - Carbohydrate

9. The species which is most suitable for aquaculture is called
- a) Exotic species b) Candidate species c) Subspecies d) Native species
10. First Fisheries college established in India is in
- a) Kerala b) Karnataka c) New Delhi d) Maharashtra
11. Which of the following is a floating weed?
- a) Water lily b) Water milfoil c) Water hyacinth d) None of the above
12. In Shark the claspers are located
- a) Near the pelvic fins b) Near the pectoral fins c) Near the caudal fins d) Near the dorsal fins
13. Anabas has which type of respiratory organ?
- a) Arborescent b) Air bladder c) Labyrinthine d) Tubular sacs
14. Melanin is a pigment
- a) Black b) Yellow c) Red d) Green
15. Fish oil is rich in
- a) Vitamin A b) Vitamin D c) Vitamin C d) Vitamin A and D
16. In many countries the use of explosives for fishing is prohibited by law because,
- a) It has a devastating effect on all life in the area
- b) It pollutes the water
- c) It affects human beings
- d) It is poisonous to consume such fish
17. The use of which of the following devices has given the modern biologist a

27. Cyst of brine shrimp hatch out as
- a) Mysis b)Naupli c)Zoea d)protozoa
28. What is Sagarsampada?
- a) A research vessel b) A commercial ship c)A Naval ship d)A luxury vessel
30. Chilka lake is situated in
- a) Bihar. b)Orissa c)Andhra Pradesh d)West Bengal
31. The aquatic animal with the most developed intelligence is
- a) Whale. b) Seal c) Dolphin. d) Kangaroo
32. What is masmeen?
- a) Dry tunas. b)Dry Sardines c)Wet anchovies. d)Dry anchovies
33. Monosex culture is adopted in case of
- a) Tilapia. b)Trout's c)Channel catfishes d) Carps
34. Fishes in culture ponds come to the surface in the morning for want of
- a) Oxygen. b) Food c)Sunlight. d) Shade
35. Fish oil is rich in.....
- a) Vitamin A b)Vitamin D c)Vitamin C d)Vitamin A and D
36. Body balancing organ of fin fish is called.....
- a) Statocyst b) Lateral line sense organs c) Spinal cord d) None of the above
37. The mud flat and slime swamps located in west Bengal are called
- a) Bheries b)Lagoon c)Backwater d)Embanked brackish water
38. Water soluble vitamins are:
- a) A, D, & E b) B, C, and D c) B and C d) A, B and C
39. Most of the red, blue and purple colours of plants are due to a pigment called

- a) anthocyanin b) carotene c) chlorophyll d) xanthophylls
40. Loaches belong to the family
a) Cyprinidae b) Cobitidae c) Amblycipitidae d) Sisoridae
41. Aestivation is
a) Summer sleep b) Winter sleep c) Dormant sleep d) Diving
42. Polyculture means
a) Culture of one species of fish b) Culture of fish coming under one genus
c) Culture of fish from a family d) Culture of multiple species
43. Masmin is prepared from.....
a) Dry tunas. b) Dry Sardines c) Wet anchovies. d) Dry anchovies
44. Venom of viper attacks on?
a) Nervous system b) Circulatory system c) Respiratory system d) Digestive system
45. Juvenile of Atlantic Salmon is called.....
a) Paar b) Alvein c) Smolt d) Elver
46. Pen culture is a system for culturing
a) Fish b) Birds c) Turtles d) Covals
47. Freshwater ecology is also called as
a) Oncology b) hydrology c) limnology d) meteorology
48. Various steps in food chain are called
a) Food web b) energy web c) energy flow d) Trophic levels
49. The tides in the ocean are caused by
a) Wind over the sea b) gravitational pull of the moon
50. A step in canning of raw material in brine
a) Frying b) cooling c) Roasting d) blanching
51. Elasmobranchi includes
a) bony fishes b) cartilaginous fishes c) jawless fishes d) rays and skates

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M. Sc AFA (2016 - 2018)

Sl.No	Admin. No.	Name	Marks
1	243	REENA	49
2	244	FESLIN FRANCIS	44
3	246	VANESSA KHYRIEM	49
4	247	IBALARI SHISHA DONSHIEW	45
5	248	HABARITYNGKAI RYNTATHIANG	45
6	297	SANKAR	48
7	301	SIYA K JOHNSON	44
8	314	BEEBI HALEEMA.M.P	39
9	265	MAYBORN STAR DKHAR	40
10	266	MATDONBOKLANG L MAWNAI	42



DEPARTMENT OF BUSINESS ADMINISTRATION St. Albert's College (Autonomous)

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DEPARTMENT OF BUSINESS ADMINISTRATION ENTRY LEVEL TEST (2016)

1. The long terms assets that have no physical existence but are rights that have value
is known

as?

Current assets

Fixed assets

Intangible assets

Investments

Any written evidence in support of a business transaction is called

Journal

Ledger

Ledger posting

Voucher

2. Which among the following is the correct accounting equation?

Assets = Capital + Liabilities

Capital = Assets + Liabilities

Assets = Capital – Liabilities

Liabilities = Assets + Capital

3. Stock is a account.

Personal

Real

Nominal

4. Which of the following is the correct order of Maslow's Need Hierarchy Theory?

Physiological, Safety, Social, Esteem, Self-actualization

Psychological, Security, Belongingness, Esteem, Self-fulfilment

Physiological, Social, Safety, Esteem, Self-actualization

Psychological, Social, Safety, Self-actualization, Esteem

5. Who propounded Theory X and Theory Y of motivation?

Maslow

Herzberg

McGregor

McClelland

6. 'An employee must receive orders and instructions from one supervisor only.'

Which principle is this?

Discipline

Unity of Direction

Unity of Command

Scalar Chain

7. Which of the following is not a characteristic of introvert personality?

Self-centred

Conservative

Sociality

Submissive

8. What do you mean by the demand of a commodity?

Desire for the commodity

Need for the commodity

Quantity demanded of that commodity

Quantity that consumers are able and willing to buy at various prices during any particular period of time

9. Which of the following is the relation that the law of demand defines?

Income and price of a commodity

Price and quantity of a commodity

Income and quantity demanded

Quantity demanded and quantity supplied

10. Communication is a part of skill.

Soft

Hard

Rough

Short

11. At each stage in the process of communication, there is a possibility of interference which may hinder the process. Such interference is known as ____.

Sender

Receiver

Barrier

None of them

12. A business proposal from a branch manager of a company to the managing director of the company is an example of horizontal communication.

True

False

13. Keeping shoulders straight right and body relaxed is an example of:

Facial Expressions

Posture

Gesture

Eye contact



DEPARTMENT OF BUSINESS ADMINISTRATION

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ENTRY LEVEL TEST ANALYSIS

SL. NO.	CLASS NO.	NAME	MARKS
1	2501	ARUN S KUMAR	12
2	2502	TENY MARTIN	13
3	2503	BHARATH S	11
4	2504	AMALENDHU S	14
5	2505	RINU P DAVID	10
6	2507	MEKHNA FRANCIS	11
7	2508	RITHUL RAJAN	9
8	2509	ASHLIN MATHEW K S	10
9	2510	MOHAMED NOUFAL BUHARI	12
10	2511	SACHIN ABRAHAM	14
11	2512	OBIN CLEETUS	11
12	2513	P E GREENAL BEN	13
13	2514	M S ARDRA	7
14	2515	MRUDULA P S	9
15	2518	JOSEPH SEBASTIAN	11
16	2519	VARGHESE ALDRIN	10
17	2521	AKASH N P	13
18	2522	K KARTHIK KANNAN	14
19	2523	ADARSH SACHDEV	12
20	2525	V LOKJITHKRITHIK	10
21	2526	ASIF M D	11
22	2527	AMALA JOSE	11
23	2528	JEWEL JUDSON	13
24	2529	SNEHA ROBERT J	8
25	2530	JOEL JOSEPH	9
26	2532	AKSA MILTON	10
27	2533	VIMIYA VARGHESE	12
28	2534	JOHN VISHNU	11
29	2535	GEENU T G	13

30	2536	AGHASH JOJO K	14
31	2537	RENATA JOHN	12
32	2538	TANIYA C A	11



**Department of
Chemistry & Research Centre**

St. Albert's College Autonomous, Ernakulam

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B. SC CHEMISTRY & B. SC INDUSTRIAL CHEMISTRY

ENTRY LEVEL TEST (2016)

Time: 1 hour

Maximum Marks: 50

1. Which of the following ore is best concentrated by the froth floatation process?

- (a) Magnetic
 - (b) Siderite
 - (c) Galena
 - (d) Malachite
2. Extraction of gold and silver involves leaching with CN^- . Silver is later recovered by

- (a) Distillation
- (b) Zone refining
- (c) Displacement by Zn
- (d) Liquation

3. Which one of the following ore is concentrated by chemical leaching method?

- (a) Galena
- (b) Copper pyrites
- (c) Cinnabar
- (d) Argentite

4. According to the Ellingham diagram, the oxidation reaction of carbon to carbon monoxide may be used to reduce which one of the following at lowest temperature?

- (a) Al_2O_3
- (b) Cu_2O
- (c) MgO
- (d) ZnO

5. The first step in extraction of copper from CuFeS_2 is

- (a) reduction by carbon
- (b) electrolysis of ore
- (c) roasting in O_2
- (d) magnetic separation

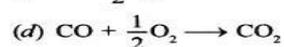
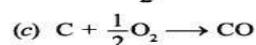
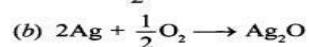
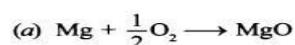
6. Roasted copper pyrites on smelting with sand produces

- (a) FeSiO_3 and Cu_2S
- (b) CaSiO_2 and Cu_2O
- (c) $\text{Ca}_3(\text{PO}_4)_2$ and Cu_2S (d) $\text{Fe}_3(\text{PO}_4)_2$ and Cu_2S

7. The composition of copper matte is

- (a) $\text{Cu}_2\text{S} + \text{FeS}$
- (b) $\text{Cu}_2\text{S} + \text{Cu}_2\text{O}$
- (c) $\text{Cu}_2\text{S} + \text{FeO}$
- (d) $\text{Cu}_2\text{O} + \text{FeS}$

8. ΔG° vs T plot in Ellingham's diagram slopes downward for the reaction.



9. A number of elements are available in earth's crust but most abundant elements are _____ .

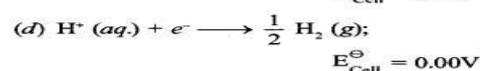
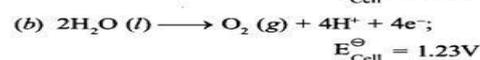
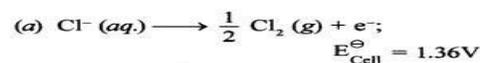
(a) Al and Fe

(b) Al and Cu

(c) Fe and Cu

(d) Cu and Ag

10. Brine is electrolysed by using inert electrodes. The reaction at anode is _____ .



11. In the extraction of chlorine by electrolysis of brine _____ .

(a) oxidation of Cl^- ion to chlorine gas occurs.

(b) reduction of Cl^- ion to chlorine gas occurs.

(c) For overall reaction ΔG° has a negative value. (d) a displacement reaction takes place.

12. Which of the following reactions is an example of auto reduction?

- (a) $\text{Fe}_3\text{O}_4 + 4\text{CO} \rightarrow 3\text{Fe} + 4\text{CO}_2$
- (b) $\text{Cu}_2\text{O} + \text{C} \rightarrow 2\text{Cu} + \text{CO}$
- (c) $\text{Cu}^{2+}(\text{aq}) + \text{Fe}(\text{s}) \rightarrow \text{Cu}(\text{s}) + \text{Fe}^{2+}(\text{aq})$
- (d) $\text{Cu}_2\text{O} + 12\text{Cu}_2\text{S} \rightarrow 3\text{Cu} + 12\text{SO}_2$

13. The electrolytic reduction

technique is used in the extraction of

- (a) Highly electronegative elements.
- (b) Highly electropositive elements.
- (c) Metalloids.
- (d) Transition metals.

14. In the commercial electrochemical process for

aluminium extraction, electrolyte used is (a) $\text{Al}(\text{OH})_3$ is
NaOH solution.

- (b) An aqueous solution of $\text{Al}_2(\text{SO}_4)_3$.
- (c) A molten mixture of Al_2O_3 and
 Na_3AlF_6 .
- (d) A molten mixture of Al_2O_3 and
 $\text{Al}(\text{OH})_3$.

15. Which ore can be best concentrated by the froth floatation process?

- (a) Malachite
- (b) Cassiterite
- (c) Galena
- (d) Magnetite

16. Electrolytic reduction of Al_2O_3 to Al by Hall-

Herault process is carried out (a) in presence of
NaCl.

- (b) in presence of fluorite.
- (c) in presence of cryolite which forms a melt with lower melting point.
- (d) in presence of cryolite which forms a melt with high melting point.

17. The chemical composition of 'slag' formed during the melting process in the extraction of copper is

- (a) $\text{Cu}_2\text{O} + \text{FeS}$
- (b) FeSiO_3
- (c) CuFeS_2
- (d) $\text{Cu}_2\text{S} + \text{FeO}$

18. Bessemer converter is used in the manufacture of

- (a) Pig iron
- (b) Steel
- (c) Wrought iron
- (d) Cast iron

19. The method of zone refining of metals is based on the principle of (a) greater mobility of the pure metal than that of the impurity.

- (b) higher melting point of the impurity than that of the pure metal.
- (c) greater noble character of the solid metal than that of impurity.
- (d) greater solubility of the impurity in the molten state than in the solid.

20. In the leaching of Ag_2S with NaCN , a stream of

air is also passed. It is because (a) The reaction

between Ag_2S and NaCN is reversible.

(b) to oxidise Na_2S formed in the

reaction to Na_2SO_4 .

(c) to oxidise Ag_2S to Ag_2O . (d) Both

(a) and (b).

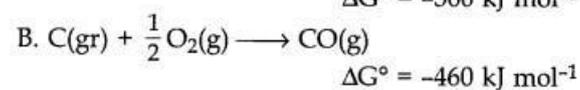
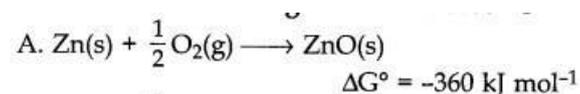
21. Purest form of iron is

(a) Cast iron

(b) Hard Steel

(c) Stainless steel (d) Wrought iron

22. Consider the following reaction at 1000°C



Choose the correct statement at 1000°C (a) Zinc can be oxidised by carbon monoxide.

(b) Zinc oxide can be reduced by graphite. (c) Both statements (a) and (b) are correct. (d) Both statements (a) and (b) are false.

23. At the temperature corresponding to which of the points in Fig. FeO

will be reduced to Fe by coupling the reaction $2\text{FeO} \rightarrow \text{Fe} + \text{O}_2$ with all of the following reactions?

(i) $\text{C} + \text{O}_2 > \text{CO}_2$

(ii) $2\text{C} + \text{O}_2 > 2\text{CO}$ and (Hi) $2\text{CO} + \text{O}_2 > 2\text{CO}_2$

- (a) Point A
- (b) Point B
- (c) Point C
- (d) Point D

24. Which of the following options are correct?

- (a) Cast iron is obtained by remelting pig iron with scrap iron and coke using hot 'air blast.
- (b) In extraction of silver, silver is extracted as cationic complex.
- (c) Nickel is purified by zone refining.
- (d) Zr and Ti are purified by van Arkel method.

25. In the extraction of aluminium by Hall-Heroult process, purified Al_2O_3 is mixed with CaF_2 to (a) lower the melting point of Al_2O_3 .

- (b) increase the conductivity of molten mixture.
- (c) reduce Al^{3+} into $Al(s)$. (d) acts as a catalyst.

26. Common impurities present in bauxite are

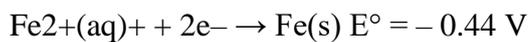
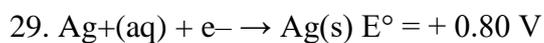
- (a) CuO
- (b) ZnO
- (c) Fe_2O_3 (d) SiO_2

27. Which of the following statements is correct about the role of substances added in the froth flotation process?

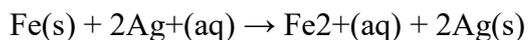
- (a) Collectors enhance the non-wettability of the mineral particles.
- (b) Collectors enhance the wettability of gangue particles.
- (c) By using depressants in the process two sulphide ores can be separated.
- (d) Froth stabilisers decrease wettability of gangue.

28. A new galvanic cell of E° more than E° of Daniel cell is connected to Daniel cell in a manner that new cell gives electrons to cathode, what will happen

- (a) E_{cell} will increase
- (b) E_{cell} will decrease
- (c) No change will take place
- (d) Daniel cell will work as an electrolytic cell where Zn will be deposited on zinc rod and copper will dissolve from copper rod.



What is emf of



- (a) 1.16 V
- (b) 1.24 V
- (c) 2.04 V
- (d) -1.16 V

30. A conductivity cell containing electrodes made up of

- (a) Gold
- (b) Silver
- (c) Platinised platinum
- (d) Copper

31. Which of the following expressions is correct for 'Ka' in terms of Λ° and Λ , where 'C' is molarity.

$$(a) K_a = \frac{C\Lambda_m^\circ}{\Lambda_m(\Lambda_m^\circ - \Lambda)}$$

$$(b) K_a = \frac{C\Lambda_m^2}{\Lambda_m^\circ(\Lambda_m^\circ - \Lambda_m)}$$

$$(c) K_a = \frac{C\Lambda_m^2}{\Lambda_m^\circ}$$

$$(d) K_a = \frac{C\Lambda_m^2}{(\Lambda_m^\circ - \Lambda_m)}$$

32. What is pH of the half cell Pt(H₂fe)|H⁺ if E_oH+H₂ = -0.0295 V

(a) 1

(b) 2

(c) 0.5

(d) 3

33.
$$X(s) + 2Y^+(aq) \rightleftharpoons X^{2+}(aq) + 2Y(s);$$

(E_{cell}^o = 0.059 V)

What is the value of 'K' for the above reaction?

(a) 1×10^8

(b) 1×10^2

(c) 4×10^3

(d) 3×10^4

34. Which of the following statements is correct?

(a) E_{Cell} and Δ_rG of cell reaction both have extensive properties.

(b) E_{Cell} and Δ_rG of cell reaction both are . intensive properties.

(c) E_{cell} is an intensive property while ΔrG of cell reaction is an extensive property.

(d) E_{cell} is an extensive property while ΔrG of cell reaction is an intensive property.

35. While charging the lead storage battery _____ .

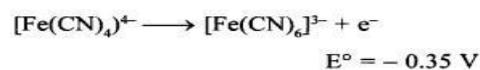
(a) PbSO₄ anode is reduced to Pb.

(b) PbSO₄ cathode is reduced to Pb.

(c) PbSO₄ cathode is oxidised to Pb.

(d) PbSO₄ anode is oxidised to PbO₂.

36. On the basis of following E° values, the strongest oxidising agent is



(a) Fe²⁺

(b) Fe³⁺

(c) [Fe(CN)₆]³⁻

(d) [Fe(CN)₆]⁴⁻

37. Λ of M/32 solution of weak acid is 8 S cm² mol⁻¹ and limiting molar conductivity is 400 S cm² mol⁻¹. K_a for acid is

(a) 1.25 × 10⁻⁶

(b) 6.25 × 10⁻⁴

(c) 1.25 × 10⁻⁴

(d) 1.25 × 10⁻⁵

38. The positive value of the standard electrode potential of

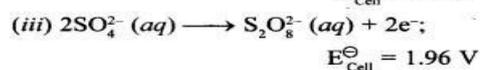
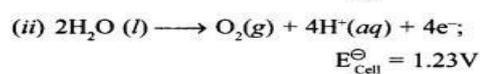
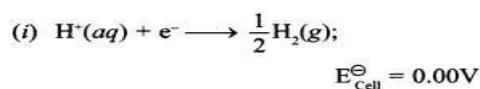
Cu²⁺/Cu indicates that _____ (a) this redox couple is a

stronger reducing agent than the H⁺/H₂ couple.

- (b) this redox couple is a stronger oxidising agent than H^+/H_2 .
- (c) Cu can displace H_2 from acid.
- (id) Cu cannot displace H_2 from acid.

39. E^\ominus_{cell} for some half cell reactions are given below. On the basis of these marks the correct answer. [NCERT

Exemplar]



- (a) In dilute sulphuric acid solution hydrogen ion will be reduced at cathode.
- (b) In concentrated sulphuric acid solution, water will be oxidised at anode.
- (c) In dilute sulphuric acid solution, water will be oxidised at anode.
- (d) In dilute sulphuric acid solution, SO_4^{2-} ions will be oxidised to tetrathionate ions at anode.

40. $E^\ominus_{\text{Cell}} = 1.1V$ for Daniel cell. Which of the following expressions are the correct description of the state of equilibrium in this cell? [NCERT

Exemplar]

- (a) $1.1 = K_c$
- (b) $\frac{2.303RT}{2F} \log K_c = 1.1$
- (c) $\log K_c = \frac{2.2}{0.059}$
- (d) $\log K_c = 1.1$

41.

$\Lambda_m^0 \text{H}_2\text{O}$ is equal to _____.

[NCERT Exemplar]

- (a) $\Lambda_m^0 (\text{HCl}) + \Lambda_m^0 (\text{NaOH}) - \Lambda_m^0 (\text{NaCl})$
(b) $\Lambda_m^0 (\text{HNO}_3) + \Lambda_m^0 (\text{NaNO}_3) - \Lambda_m^0 (\text{NaOH})$
(c) $\Lambda_m^0 (\text{HNO}_3) + \Lambda_m^0 (\text{NaOH}) - \Lambda_m^0 (\text{NaNO}_3)$
(d) $\Lambda_m^0 (\text{NH}_4\text{OH}) + \Lambda_m^0 (\text{HCl}) - \Lambda_m^0 (\text{NH}_4\text{Cl})$

42. The charge required for the reduction of 1 mol of MnO_2^- to MnO_2 is

- (a) 1 F
(b) 3 F
(c) 5 F
(d) 6 F

43. The cell reaction of the galvanic cell.

$\text{Cu(s)} / \text{Cu}^{2+}(\text{aq}) // \text{Hg}^{2+}(\text{aq}) / \text{Hg(l)}$ is

- (a) $\text{Hg} + \text{Cu}^{2+} \longrightarrow \text{Hg}^{2+} + \text{Cu}$
(b) $\text{Hg} + \text{Cu}^{2+} \longrightarrow \text{Cu}^+ + \text{Hg}^+$
(c) $\text{Cu} + \text{Hg} \longrightarrow \text{CuHg}$
(d) $\text{Cu} + \text{Hg}^{2+} \longrightarrow \text{Cu}^{2+} + \text{Hg}$

44. Which of the following reactions is used to make fuel cells?

- (a) $\text{Cd(s)} + 2\text{Ni(OH)}_3(\text{s}) \longrightarrow \text{CuO(s)} + 2\text{Ni(OH)}_2(\text{s}) + \text{H}_2\text{O(l)}$
(b) $\text{Pb(s)} + \text{PbO}_2(\text{s}) + 2\text{H}_2\text{SO}_4(\text{aq}) \longrightarrow 2\text{PbSO}_4(\text{s}) + 2\text{H}_2\text{O(l)}$
(c) $2\text{H}_2(\text{g}) + \text{O}_2(\text{g}) \longrightarrow 2\text{H}_2\text{O(l)}$
(d) $2\text{Fe(s)} + \text{O}_2(\text{g}) + 4\text{H}^+(\text{aq}) \longrightarrow 2\text{Fe}^{2+}(\text{aq}) + 2\text{H}_2\text{O(l)}$

45. If limiting molar conductivity of Ca^{2+} and Cl^- are 119.0 and 76.3 S $\text{cm}^2 \text{mol}^{-1}$, then the value of limiting molar conductivity of CaCl_2 will be

- (a) 195.3 S $\text{cm}^2 \text{mol}^{-1}$
(b) 271.6 S $\text{cm}^2 \text{mol}^{-1}$
(c) 43.3 S $\text{cm}^2 \text{mol}^{-1}$
(d) 314.3 S $\text{cm}^2 \text{mol}^{-1}$.

46. The emf of the cell:

Ni / Ni²⁺ (1.0 M) // Au³⁺ (1.0 M) / Au (E° = -0.25 V for Ni²⁺/Ni; E° = 1.5 V for Au³⁺/Au) is

- (a) 1.25
- (b) -1.25
- (c) 1.75
- (d) 2.0

47. The standard emf of a galvanic cell involving cell reaction with $n = 2$ is formed to be 0.295 V at 25° C. The equilibrium constant of the reaction would be (a) 1.0×10^{10} (b) 2.0×10^{11} (c) 4.0×10^{12}

(d) 1.0×10^2 [Given $F = 96500 \text{ (mol}^{-1}\text{)}$; $R = 8.314 \text{ JK}^{-1} \text{ mol}^{-1}$] 48. If $E^\circ_{\text{Fe}^{2+}/\text{Fe}} = -0.441 \text{ V}$ and $E^\circ_{\text{Fe}^{2+}/\text{Fe}^{3+}} = 0.771 \text{ V}$, the standard EMF of the reaction, $\text{Fe} + 2\text{Fe}^{3+} \rightarrow 3\text{Fe}^{2+}$ will be (a) 1.212

- (b) 0.111
- (C) 0.330
- (d) 1.653

49. Match the terms given in Column I with the units given in Column

II. [NCERT Exemplar]

Column I	Column II
(a) Λ_m	(i) S cm^{-1}
(b) E_{cell}	(ii) m^{-1}
(c) κ	(iii) $\text{S cm}^2 \text{ mol}^{-1}$
(d) G^*	(iv) V

50. Match the terms given in Column I with the items given in Column II.

Column I	Column II
(a) Λ_m	(i) intensive property
(b) $E_{\text{Cell}}^{\ominus}$	(ii) depends on number of ions/volume
(c) κ	(iii) extensive property
(d) $\Delta_r G_{\text{Cell}}$	(iv) increases with dilution



Department of Chemistry & Research Centre

St. Albert's College Autonomous, Ernakulam

Accredited with 'A' grade by NAAC

ISO 9001: 2015 Certified

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TEST RESULT ANALYSIS

PERCENTAGE OF SCORE	NUMBER OF STUDENTS
Above 60%	11
Between 40%-60%	11
Below 40%	8
TOTAL	30



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DEPARTMENT OF COMMERCE & RESEARCH CENTRE

DEPARTMENT OF COMMERCE (AIDED) ENTRY LEVEL TEST (2016)

- India has adopted the Directive Principles of State Policy from:
 - Britain
 - US
 - Ireland
 - South Africa
- The fundamental rights of Right to Equality deals with:
 - Article 14-18
 - Art. 19-22
 - Art. 23-24
 - Art. 25-28
- Lead pollution in Indian cities is mainly due to
 - Lead pencils
 - Batteries
 - Automobiles
 - Electronic items
- Which is concerned with environment pollution
 - UNEP
 - WWF
 - IUCH
 - CITIES
- Earth Hour was observed in the year 2015 on:
 - 31st March
 - 28 March
 - 27 March
 - 19 March
- Most populated district in India?
 - Delhi
 - Mumbai
 - Chennai
 - Kolkata
- First CEO of Niti Ayog?
 - Amitab Kanth
 - Sindhusree
 - Rakrishna
 - None of the above
- In Kerala, Kudumbasree programme was started in?
 - Ernakulam
 - Kozhikode
 - Malappuram
 - Trivandrum
- A programme started to solve the problems of unmarried women
 - Valsalya
 - Snehasparsam
 - Thalolam
 - Aswasakiran

10. A programme started to solve the problems of unmarried women
a) Valsalya b) Snehasparsam c) Thalolam d) Aswasakiran
10. Which programme started “108 Ambulance”?
a) NRLM b) NRHM c) SUKANYA d) None of the above
11. Anganwadi centres are functioning under the programme
a) IRDP b) NRDP c) ICDS d) Kudumbasree
12. Present governor of RBI
a) R. Rajan b) P. Sadasivam c) C. Sankara narayan d) Ajith D.
13. Information on a computer is stored as what?
a) Digital b) Analog c) Both d) None of the above
14. An example of presidential government is
a) Saudi Arabia b) India c) Myanmar d) USA
15. Which has the largest mouth among the vertebrates in the land?
a) Rhinoceros b) Elephant c) Hippopotamus d) Camel
16. The name Argentum is related to which metal
a) Aluminium b) Silver c) Lithium d) Gallium
17. The P.M. of India when anti defection law was passed
a) Rajiv Gandhi b) Morarji Desai c) V.P. Singh d) Indira Gandhi
18. The NH 544 begins in Kerala at
a) Edappally b) Kumali c) Kaliyikavila d) Angamali
19. One calorie is equal to
a) 5.2 Joule b) 4.2 J c) 6.2 j d) 7.2 J

20. "Locus Standi" means

a) Common language b) Right to interfere c) A great work d) Before the judge

21. The assumption that make accounting information useful for decision making are :

- a) Comparability and consistency c) Materiality and timeliness
b) Relevance and reliability d) Reliability and comparability

22. Purchase of machinery for cash

- a) Decrease total assets c) Increase total assets
b) No change in the total assets d) Decrease in total liabilities

23. Which one of the following is correct

- a) Gross profit + purchases + sales =Net profit
b) Gross profit + purchases + Administration and selling expenses =Net profit
c) Gross profit + sales+ Administration and selling expenses =Net profit
d) Gross profit - Administration and selling expenses =Net profit

24. Provision is :

- a) An appropriation of profits
b) A charge against the profits
c) Writing off losses
d) Charging of depreciation

25. Which accounting standard is related to inventory valuation
a) AS-2 b)AS-3 c)AS-5 d)AS-6
26. The installation expenses for a new machinery will be debited to
a) Installation expenses A/C c) Cash A/C
b) Machinery A/C d) Profit and loss A/c
27. A bill of exchange is drawn by a
a) Creditor b) Debtor c)Share holder d)Debenture holder
28. X and Y are partners sharing profits and losses in the ratio of 3:1.They admit C into the firm for $\frac{1}{4}$ th share which he acquires in the ratio of 2:1 from X and Y.The new ratio will be
a) 4:3:1 b)7:2:3 c)3:1:7 d)7:3:2
29. Bonus shares are issued by companies because
a) Surplus cash is available
b) There are heavy accumulated general reserves
c) There is heavy competition from similar companies
d) They have heavy gross profit ratio
30. Heavy advertisement expenditure to introduce a new product is an example of:
a) Revenue expenditure b) Deferred revenue expenditure
c) Capital expenditure d)None of these
31. If coca-cola wished to examine its general environment before constructing its business strategy, the company would explore all the following environments except

- a) Socio-cultural b) knowledge c) Global d) Economic
32. Where was Total Quality Management first developed?
- a) USA b. UK c. JAPAN d. KOREA
33. What are Maslow's Needs?
- a) Esteem b. Control c. Self-actualisation d. Social.
34. What is not an advantage of MBO?
- a) Role clarity b) Personnel satisfaction c) Flexibility d) Clarity in organization action.
35. A manager with good----- can make the workplace more pleasant.
- a) Communication b. Knowledge c) Experience d) Interpersonal skills.
36. Which of the following is a factor that affects delegation of authority from the delegate's aspect?
- a) Love for authority b) fear of exposure c) Experience of the superior d) fear of criticism.
37. Management is the art of getting things done through others—who is the author of this definition?
- a) Mary Parker Follet b) Henry Fayol c) F.W Taylor d) Koontz.
38. Who is the father of Scientific Management?
- a) Mary Parker Follet b) Henry Fayol c) F.W Taylor d) Koontz.
39. Grapevine communication is-----
- a) Formal b) Informal c) Horizontal d) Vertical.
40. Authority is ----
- a) Giving orders b) receiving orders c) Reporting d) None

41. "Economics is the Science of Wealth". Who gave this definition?
a) J. K Mehta b) Marshall c) Adam Smith d) Robbins
42. Which theory is generally included under micro economics?
a) Price Theory b) Income Theory c) Employment Theory d) None of the above
43. Under Law of Demand -
a) Price of commodity is an independent variable
b) Quantity demanded is a dependent variable
c) Reciprocal relationship is found between price and quantity demanded
d) All of the above
44. Utility means -
a) Power to satisfy a want b) Usefulness c) Willingness of a person d) Harmfulness
45. For inferior commodities, income effect is-
a) Zero b) Negative c) Infinite d) Positive
46. Indian economy is a-
a) Socialist economy b) Gandhian economy c) Mixed economy d) Free economy
47. Which of the following is the basic characteristic of oligopoly?
a) Few sellers, one buyer b) Few sellers, many buyers
c) Few sellers, few buyers d) Many sellers, few buyers
48. Which of the following rates are reviewed by RBI at the time of periodical review of the policy?

a) Bank rate b) Repo rate c) Savings bank rate d) All of the above

49. Expand the term EMI as used in the banking sector?

a) Easy Monthly Installment b) Equal Monthly Investment

c) Equated Monthly Installment d) Equated Mortgage Investment

50. Which is the country's third largest private sector lender whose name has been officially changed to Axis Bank Ltd?

a) HDFC Bank b) Lord Krishna Bank c) Centurion

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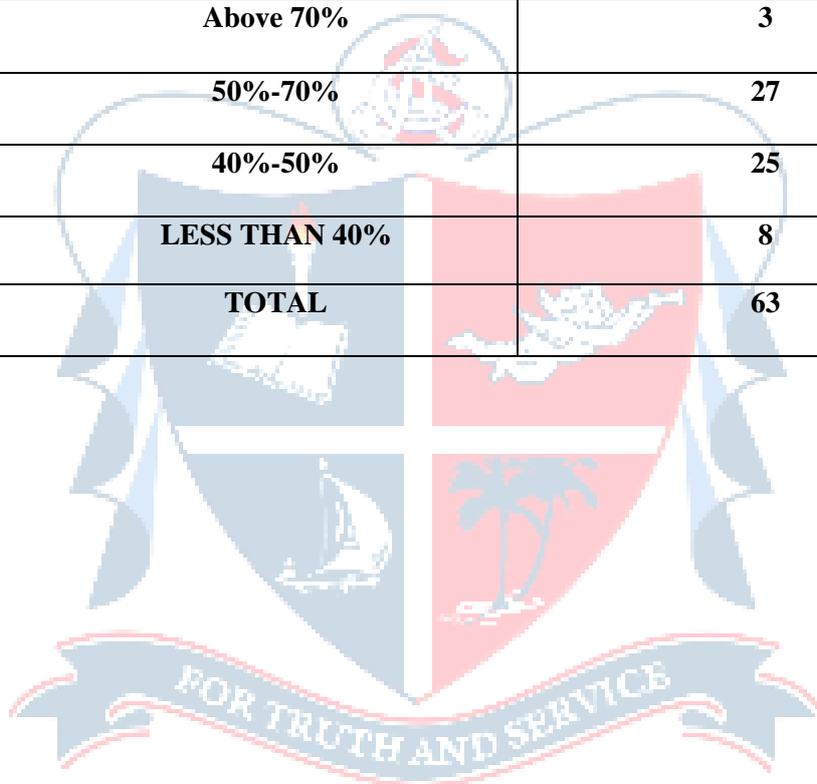
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DEPARTMENT OF COMMERCE & RESEARCH CENTRE

RESULT OF ENTRY LEVEL TEST

B. COM TAXATION - REGULAR (2016 ADMISSION)

PERCENTAGE OF SCORE	NUMBER OF STUDENTS
Above 70%	3
50%-70%	27
40%-50%	25
LESS THAN 40%	8
TOTAL	63





DEPARTMENT OF COMPUTER SCIENCE

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ENTRY LEVEL TEST (2016-2017)

Time: 1 hour

Marks: 30

Answer all questions. Each question carries 1 Mark

- MS-DOS is a _____ operating system.
(A) point-and-click (B) user-friendly (C) command-driven (D) Mac
- Verification of a login name and password is known as:
(A) Configuration (B) accessibility (C) authentication (D) logging in
- The _____, stored on a ROM chip, is responsible for loading the operating system from its permanent location on the hard drive into RAM.
(A) BIOS (B) API (C) device driver (D) supervisor program
- WWW stands for
(A) World Whole Web (B) Wide World Web (C) Web World Wide (D) World Wide Web
- MS-Word is an example of ____
(A) Operating System (B) Processing Device (C) Application Software (D) Input Device
- Arrange in ascending order the units of memory TB, KB, GB, MB.
(A) TB>MB>GB>KB
(B) MB>GB>TB>KB
(C) TB>GB>MB>KB
(D) GB>MB>KB>TB
- The printed output from a computer is called
(A) Copy (B) Soft Copy (C) Hard Copy (D) Paper

8. ASCII stands for
- (A) American Stable Code for International Interchange
 - (B) American Standard Case for Institutional Interchange
 - (C) American Standard Code for Information Interchange
 - (D) American Standard Code for Interchange Information
9. To move a copy of file from one computer to another over a communication channel is called?
- (A) File transfer (B) File encryption (C) File modification (D) File copying
10. Which one of the following is NOT a computer language?
- (A) MS-Excel (B) BASIC (C) COBOL (D) C++
11.used to identify a user who returns to a Website.
- (A) Cookies (B) Plug-ins (C) Scripts (D) ASPs
12. The average of 11, 23, K is 40, the value of K is
- (A) 86 (B) 120 (C) 35 (D) 12
13. The LCM of 24, 39, 60 and 150 is
- (A) 7800 (B) 3900 (C) 15600 (D) 5200
14. Two numbers are in the ratio 2:3. If 5 is added to each number, the ratio becomes 5:7. The numbers are
- (A) 30 & 42 (B) 20 & 30 (C) 35 & 49 (D) 20 & 42
15. 75% of 48 is
- (A) 64 (B) 48 (C) 36 (D) 0.36
16. Divide 378 into two parts in the ratio of 2:7.
- (A) 84 & 294 (B) 80 & 298 (C) 42 & 336 (D) 126 & 252
17. A second is _____ fraction of an hour.
- (A) $\frac{1}{24}$ (B) $\frac{1}{60}$ (C) $\frac{1}{120}$ (D) $\frac{1}{3600}$
18. Which one does not belong to the group?
- (A) Pencil (B) Chalk (C) Notebook (D) Pen
19. If 'air' is called 'green', 'green' is called 'red', 'red' is called 'sea', 'sea' is called 'blue', 'blue' is called 'water' and 'water' is called 'pink', then what is the colour of grass?

- (A) Green (B) Air (C) Red (D) Pink
20. 5, 15, 45, 225, ?
(A) 1024 (B) 1125 (C) 1500 (D) 2250
21. Pointing towards a girl, Amit said, "She is the daughter of only son of my grandfather".
How is Amit related to the girl?
(A) Brother (B) Uncle (C) Cousin (D) Father
22. A person of good understanding, knowledge and reasoning power.
(A) Expert (B) Intellectual (C) Snob (D) Literate
23. Jack _____ English, Spanish and a bit of French.
(A) Speaks (B) Speak (C) Speaking (D) is speaking
24. It's Thursday today. Tomorrow it _____ Friday.
(A) Be (B) was (C) will be (D) Will
25. Their car does 150 miles hour.
(A) a (B) an (C) the (D) in
26. **Statement:** Severe drought is reported to have set in several parts of the country. **Courses of Action:**
- I. Government should immediately make arrangements for providing financial assistance to those affected.
- II. Food, water and fodder should immediately be sent to all these areas to save the people and cattle.
- (A) Only I follows (B) Only II follows (C) Either I or II follows (D) Neither I nor II follows
27. The Education Department of which state launched the 'I am not afraid of English' initiative from Class 1 in the state's primary schools?
(A) Maharashtra (B) Uttar Pradesh (C) Assam (D) Haryana
28. This plans to add 40 million Wi-Fi users in India by 2019.
(A) Google (B) Facebook (C) Twitter (D) LinkedIn
29. Convert the following binary number to decimal. 01011_2
(A) 11 (B) 35 (C) 15 (D) 10
30. Any number with an exponent of zero is equal to:
(A) Zero (B) One (C) That number (D) Ten



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MARKLIST

Sl.No.	Roll No.	Name of the student	Entry level test mark
1	7601	NIMA VENU	50
2	7602	RINU BENNY	60
3	7603	ANN MARY DAVID	63
4	7604	ARATHY V MENON	66
5	7605	ALDRIN MARTIN SIMENTHY	80
6	7606	JOHN GILBERT	77
7	7607	ASHIN ASHARIF	52
8	7608	BINCY MARY VARGHESE	80
9	7609	JEENA JOJO	65
10	7610	RAHUL GEORGE	56
11	7611	EVITA MARY FERREIRO	79
12	7612	ABHILASH SABU	50
13	7613	PEON JOHNY	54

14	7614	ATHUL PERER	62
15	7615	ARUN JOSEPH K C	53
16	7616	RONALD PADUA	51
17	7617	ASHMI MARIA	66
18	7618	ASHOK KUMAR C M	30
19	7619	VIJESH S M	63
20	7620	DENIN SAJAL	47
21	7621	RIJU FRANCIS PK	58
22	7623	SIMRAN RAPHY	69
23	7624	CINNU C B	73
24	7625	JOYAL JEORGE	44
25	7626	ANTONY G MARTIN	50
26	7627	VISHNU N V	76
27	7628	SACHIN FELIX	58
28	7629	NIMMY SAJAN	64



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DEPARTMENT OF ENGLISH

ENTRY LEVEL TEST – I YEAR UG STUDENTS (JULY 2016)

Time: 1 hr

Marks: 50

Answer the following questions:

- 1) Mark the subject and the predicate of the following sentence: (2)

The cackling of geese saved Rome.

- 2) Mark the phrase and the clause of the following sentence: (2)

The sun rises in the east.

- 3) Fill in the blanks using appropriate articles:

a) The world is _____ beautiful place. (4)

b) She is _____ untidy girl. (4)

- 4) Fill in the blanks with appropriate comparatives or superlatives:

a) Prevention is _____ than cure. (4)

b) Amala is the _____ girl in the class. (4)

- 5) Write an essay on the topic 'Recent Flood Havoc in Kerala.' (15)

- 6) Write a telephonic conversation with your class teacher seeking permission for a leave. (15)



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DEPARTMENT OF ENGLISH

ENTRY LEVEL TEST (2016-2018)



ST. ALBERT'S COLLEGE (AUTONOMOUS) Banerji Road, Ernakulam – 682018 *Department of English Entry Level Test (2016 - 2019)*

BA ENGLISH (2016 - 2019)					
Tutor: John Sinoj					
Class No	Name	Mark	Percentage	Grade	Remarks
1301	KAVYA RAJEEVAN	14	70	A	
1302	MANU FRANCIS	6	30	B	
1303	NANDANA N P	11	55	I	
1304	KK AKHIL	8	40	B	
1305	SUMIKRISHNA K S	12	60	I	
1307	MARY MINNU M M	16	80	A	
1308	ASHNA MARY P J	11	55	I	
1309	AMRUTHA P T	15	75	A	
1310	ANUSREE VENU	12	60	I	
1311	ARUNA DEVI O S	15	75	A	
1312	PRATIBHA S	15	75	A	
1313	AKHILA KUNJUMON	11	55	I	
1314	ISABELLA XAVIER	14	70	A	
1316	JOSMI THOMAS	15	75	A	
1318	SAJANA. M. SURESH	14	70	A	
1319	DIYA M PRASAD	15	75	A	
1320	NIMISHA JOSEPH	14	70	A	
1322	SARA DAS C M	15	75	A	
1323	SANDRA JOY	15	75	A	
1324	ALEENA JOSEPH	14	70	A	
1325	HEMALATHA A	6	30	B	
1326	ALEX THOMAS	14	70	A	
1328	ANJALI MARIA	15	75	A	
1331	LAYA LAWRENCE	15	75	A	



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DEPARTMENT OF ENGLISH

1. Write an appreciation for the following extract - (1*10=10 marks)

To see a World in a Grain of Sand
And a Heaven in a Wild Flower
Hold Infinity in the palm of your hand
And Eternity in an hour
A Robin Red breast in a Cage
Puts all Heaven in a Rage
A Dove house filld with Doves & Pigeons
Shudders Hell thr' all its regions
A dog starvd at his Masters Gate
Predicts the ruin of the State
A Horse misusd upon the Road
Calls to Heaven for Human blood
Each outcry of the hunted Hare
A fibre from the Brain does tear
A Skylark wounded in the wing
A Cherubim does cease to sing
The Game Cock clipd & armd for fight
Does the Rising Sun affright
Every Wolfs & Lions howl
Raises from Hell a Human Soul

2. Write a short note on the central theme of the following Shakespearean Sonnet – (1 x 6= 6 marks)

Thou art as tyrannous, so as thou art,
As those whose beauties proudly make them cruel;

For well thou know'st, to my dear doting heart Thou art the fairest and most precious jewel.

Yet in good faith some say, that thee behold, Thy face hath not the pow'r to make love groan.
To say they err I dare not be so bold,
Although I swear it to myself alone;
And to be sure that is not false, I swear
A thousand groans but thinking on thy face;
One on another's neck do witness bear Thy black is fairest in my judgment's place.
In nothing art thou black save in thy deeds, And thence this slander, as I think, proceeds.

3. **Questions 1 through 7 refer to the following passage—(7*2=14 marks)**

In the 16th century, an age of great marine and terrestrial exploration, Ferdinand Magellan led the first expedition to sail around the world. As a young Portuguese noble, he served the king of Portugal, but he became involved in the quagmire of political intrigue at court and lost the king's favor. After he was dismissed from service by the king of Portugal, he offered to serve the future Emperor Charles V of Spain.

A papal decree of 1493 had assigned all land in the New World west of 50 degrees W longitude to Spain and all the land east of that line to Portugal. Magellan offered to prove that the East Indies fell under Spanish authority. On September 20, 1519, Magellan set sail from Spain with five ships. More than a year later, one of these ships was exploring the topography of South America in search of a water route across the continent. This ship sank, but the remaining four ships searched along the southern peninsula of South America. Finally they found the passage they sought near 50 degrees S latitude. Magellan named this passage the Strait of All Saints, but today it is known as the Strait of Magellan.

One ship deserted while in this passage and returned to Spain, so fewer sailors were privileged to gaze at that first panorama of the Pacific Ocean. Those who remained crossed the meridian now known as the International Date Line in the early spring of 1521 after 98 days on the Pacific Ocean. During those long days at sea, many of Magellan's men died of starvation and disease.

Later, Magellan became involved in an insular conflict in the Philippines and was killed in a tribal battle. Only one ship and 17 sailors under the command of the Basque navigator Elcano survived to complete the westward journey to Spain and thus prove once and for all that the world is round, with no precipice at the edge.

1. **The 16th century was an age of great _____ exploration.**

- a) cosmic
- b) land
- c) mental
- d) common man
- e) None of the above

2. **Magellan lost the favor of the king of Portugal when he became involved in a political _____.**

- a) entanglement
- b) discussion

- c) negotiation
 - d) problem
 - e) None of the above
3. **The Pope divided New World lands between Spain and Portugal according to their location on one side or the other of an imaginary geographical line 50 degrees west of Greenwich that extends in a _____ direction.**
- a) north and south
 - b) crosswise
 - c) easterly
 - d) south east
 - e) north and west
4. **One of Magellan's ships explored the _____ of South America for a passage across the continent.**
- a) coastline
 - b) mountain range
 - c) physical features
 - d) islands
 - e) None of the above
5. **Four of the ships sought a passage along a southern _____.**
- a) coast
 - b) inland
 - c) body of land with water on three sides
 - d) border
 - e) Answer not available
6. **The passage was found near 50 degrees S of _____.**
- a) Greenwich
 - b) The equator
 - c) Spain
 - d) Portugal
 - e) Madrid
7. **In the spring of 1521, the ships crossed the _____ now called the International Date Line.**
- a. imaginary circle passing through the poles
 - b. imaginary line parallel to the equator
 - c. area
 - d. land mass
 - e. Answer not available

4. Write an essay on a book or film that deeply influenced you.(1*20=20 marks)



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DEPARTMENT OF ENGLISH

Department of ENGLISH (SF)

SL. NO.	CLASS NO.	NAME	MARKS
1	401	HARISANKAR V.P	45
2	402	ANANTHA KRISHNAN R	45
3	403	CHRISTINA SAVIO	45
4	404	GREESHMA JOSEY	42
5	405	ROHINI KRISHNAN	46
6	406	SREELAKSHMI C VIJAYAKUMAR	42
7	407	K. ALEENA	43
8	408	AISWARYA UDAY	40
9	409	JAKLIN KACHHAP	40
10	410	CAROL SAVIO FERNANDEZ	45
11	411	ANAND ZACHARIAH	44
12	412	SANDRIYA A.J.	44
13	413	AJITH. S	40
14	414	SREEJITH P P	40
15	415	SRUTHI MURALI	44
16	416	SABITHA BABU	40
17	417	JOSHNA GEORGE	42
18	418	JOSNA MARIA BABU	45
19	419	ROSLIN K MATHEW	42
20	420	ALICE PAUL	43
21	421	ALVIN MATHEW DCOUTO	44
22	422	RAISUN MATHEW	45
23	423	VEEESA K V	42
24	424	DEVI RAJMOHAN	44
25	426	NILOFER T.P	42
26	427	ASHISH J CHERIAN	42
27	429	ANJANA CICILY	43
28	431	G. LEKHA	42
29	432	CYRUS ANTONY LOPEZ	42
30	433	LEKSHMI RATNAKARAN	45
31	436	FLAFINA LIVERO	45

DEPARTMENT OF LOGISTICS

ENTRY LEVEL TEST (2016-2019 BATCH)

ST. ALBERT'S COLLEGE(AUTONOMOUS), ERNAKULAM

Total Marks: 20

Should attempt all questions. Each question carries 1 mark

1. _____ is the provision of service to customers before, during and after a purchase.
 - a. Customer service
 - b. Product Management
 - c. Purchase Management
 - d. None of the above
2. What is logistics? (Choose the most complete definition.)
 - a. The system of creating plans for an organization.
 - b. The study of Logarithms within Calculus.
 - c. Managing the flow and storage of goods from their point of origin to the point of consumption.
 - d. The implementation of policies and procedures.
3. Responsiveness is the right support in the right quantity in the right place at the right time.
 - a. **True**
 - b. False
3. A light sensitive device that converts drawing, printed text or other images into digital form is
is
 - a. Keyboard
 - b. Plotter
 - c. **Scanner**
 - d. OMR
4. In how many generations can a computer be classified?
 - a. 3
 - b. 4
 - c. **5**
 - d. 6
6. Water vapour is _____
 - a. **A gas**
 - b. A cloud droplet
 - c. A raindrop
 - d. A snowflake
7. The average of the first five multiples of 9 is _____
 - a. 20
 - b. **27**
 - c. 28
 - d. 30
8. Find the odd one from the given alternatives.

- a. Swimming
 - b. Sailing
 - c. Driving
 - d. Diving
9. What will come at the place of question mark 4, 7, 12, 19, 28, ?
- a. 49
 - b. 36.
 - c. 30.
 - d. **39**
10. Which city is known as the Electronic city of India
- a. Mumbai
 - b. Hyderabad
 - c. **Bangalore**
 - d. Gurgaon
11. For which of the following disciplines the Nobel Prize is awarded?
- a. Literature, Peace & Economics
 - b. Physics & chemistry
 - c. Physiology
 - d. All of the above
12. Teacher's day is observed on _____
- a. 5 September
 - b. 30 January
 - c. 14 November
 - d. **2 October**
13. Tsunamis are not caused by
- a. Hurricanes
 - b. Earthquakes
 - c. Undersea landslides
 - d. Volcanic eruptions
14. While buying milk, which kind of behaviour is displayed by a person?
- a. Extensive problem solving behaviour
 - b. **Routinized buying behaviour**
 - c. Variety seeking behaviour
 - d. None of the above
15. Downward communication flows from _____ to _____
- a. **Upper to lower**
 - b. Lower to upper
 - c. Horizontal
 - d. Diagonal
16. The world's four major trading currencies are all free to float against each other. They include all the following except
- a. The British Pound
 - b. The Japanese Yen

- c. ***The Spanish Peso***
 - d. The US Dollar
17. The response to a sender's message is called _____
- a. ***Feedback***
 - b. Food bank
 - c. Food
 - d. back
18. Father of principles of management
- a. Mary Partkett
 - b. Lillian Gilberth
 - c. ***Henry Fayol***
 - d. Elton Mayo
19. The meaning of the acronym HRM is
- a. Human Relations Management
 - b. Humanistic Resource Management
 - c. ***Human Resource Management***
 - d. Human Resourceful Management
20. When an industry relies heavily on government contracts, which forecasts can be the most important part of an external audit
- a. Economic
 - b. Competitive
 - c. Political
 - d. Multinational

ENTRY TEST ANALYSIS (LOGISTICS)

SL. NO.	CLASS NO.	NAMES	MARKS	CATEGORY
1	8501	AKHIL ANTONY	14	ADVANCED LEARNER
2	8502	SEREEN BERNY	11	SLOW LEARNER
3	8503	NIRANJANA SURESH	18	ADVANCED LEARNER
4	8504	FRANCISCA STANIYA SEMENTHY	17	ADVANCED LEARNER
5	8505	LIJO BABU	18	ADVANCED LEARNER
6	8506	VIVEK S KELAN	19	ADVANCED LEARNER
7	8507	AMAL RAJ	16	ADVANCED LEARNER
8	8508	ABHISHEK HARIHARAN	17	ADVANCED LEARNER
9	8509	BILFA REETHA V. P	19	ADVANCED LEARNER
10	8510	SUNNY	11	SLOW LEARNER
11	8511	IRINE MARY	10	SLOW LEARNER
12	8512	JUDE AMAL	14	ADVANCED LEARNER
13	8513	ASHLY DOMINIC	18	ADVANCED LEARNER
14	8514	CELINE JOMOL V. J	18	ADVANCED LEARNER
15	8515	AJEESH ANTONY	15	ADVANCED LEARNER
16	8516	GOKUL	9	SLOW LEARNER
17	8517	NIKHIL THOMAS	13	ADVANCED LEARNER
18	8518	NEHA ANDREWS	14	ADVANCED LEARNER
19	8519	TILVIN THOMAS	13	ADVANCED LEARNER
20	8520	ROBIN GEORGE	13	ADVANCED LEARNER
21	8521	SREEHARI E M	12	ADVANCED LEARNER
22	8522	NAVAL FRANCIS	14	ADVANCED LEARNER
23	8523	IVIN JACOB	10	SLOW LEARNER
24	8524	AKSHAY KUMAR	18	ADVANCED LEARNER
25	8525	MINU E.J	14	ADVANCED LEARNER
26	8526	JERMAL P J	18	ADVANCED LEARNER
27	8527	TANIYA GEORGE	16	ADVANCED LEARNER

28	8528	JITHIN JUDE	13	ADVANCED LEARNER
29	8529	BEN JOSE XAVIER	10	SLOW LEARNER
30	8530	NAVIN K S	8	SLOW LEARNER
31	8531	SUSY JACOB	14	ADVANCED LEARNER
32	8532	ANISH K	8	SLOW LEARNER
33	8533	HEAVEN JOSEPH	14	ADVANCED LEARNER
34	8534	RAHUL	11	SLOW LEARNER
35	8535	SIBI JOSEPH	13	ADVANCED LEARNER
36	8536	RAJATH RAJAGOPAL	17	ADVANCED LEARNER
37	8537	SHAHANA NASSAR	14	ADVANCED LEARNER
38	8538	MARTEENA MARTIN	13	ADVANCED LEARNER
39	8539	NIKITHA	10	SLOW LEARNER
40	8540	EBY	11	SLOW LEARNER
41	8541	ADARSH SAJEEV	11	SLOW LEARNER
42	8542	ARUN R	9	SLOW LEARNER
43	8543	SHALWIN MIRANDA	12	ADVANCED LEARNER
44	8544	SANJU BOSE	12	ADVANCED LEARNER
45	8545	ATHUL JAISON.C	11	SLOW LEARNER
46	8546	GODWIN ANTONY V SYLVESTER	14	ADVANCED LEARNER
47	8547	KEVIN SALU	15	ADVANCED LEARNER
48	8548	ALAN PEREIRA	13	ADVANCED LEARNER
49	8549	SEJAL CYRIL	15	ADVANCED LEARNER
50	8550	ARUN JOY	14	ADVANCED LEARNER
51	8551	AKHIL BABU	9	SLOW LEARNER
52	8552	ANJAL ASSISE	16	ADVANCED LEARNER
53	8553	SUDARSANA D M	13	ADVANCED LEARNER
54	8554	DIVOSHIA PENTALIAN	18	ADVANCED LEARNER
55	8555	AMRUTHA T. S	9	SLOW LEARNER
56	8556	PRANAV S	8	SLOW LEARNER
57	8557	ANEESH. A	13	ADVANCED LEARNER
58	8558	THAMPURAN M M	15	ADVANCED LEARNER
59	8559	BEN RAJ	11	SLOW LEARNER
60	8560	VIJIL	10	SLOW LEARNER

61	8561	SHON M ALEX	12	ADVANCED LEARNER
62	8562	GLADWIN D'SIL A	13	ADVANCED LEARNER
63	8563	NEENU ANTONY	14	ADVANCED LEARNER

Note: If the scored marks by a student is less than 60 percentatge, then he will be grouped under slow learner category list else advanced learner.



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DEPARTMENT OF RENEWABLE ENERGY

ENTRY LEVEL TEST (JULY 2016)

- The rate of a chemical reaction may be influenced by
 - the concentration of the reactants
 - the physical nature of the reactants
 - the presence of a catalyst
 - all of the above
- Which of the following is not an allotrope of carbon
 - Diamond
 - Graphite
 - C₆₀
 - C₂₂
- The most electronegative element among the following is
 - Sodium
 - Bromine
 - Fluorine,
 - Oxygen
- The gas present in the stratosphere which filters out some of the sun's ultraviolet light and provides an effective shield against radiation damage to living things is
 - Oxygen
 - Ozone
 - Helium
 - Methane
- The primary component of natural gas is
 - Butane
 - Methane.
 - Propane
 - Ethane
- Which one is Avogadro number?
 - 6.023×10^{23}
 - 6.023×10^{19}
 - 1.56×10^{19}
 - 62.03×10^{19}
 -

7. The graphite rods in the nuclear reactor
 - a) Produce neutrons
 - b) React with fuel "U" to release energy
 - c) Convert fast moving neutrons in to thermal neutrons
 - d) Undergo combustion which triggers the nuclear reactions.
8. Process in which substance gains electrons is called
 - a) Oxidation
 - b) Hydrogenation
 - c) Sublimation
 - d) Reduction
9. An electrolytic cell uses electrical energy to drive
 - a) chemical reaction
 - b) physical reaction
 - c) no reaction
 - d) none of above
10. A physical process that occurs by itself are called
 - a) Thermodynamic process
 - b) Spontaneous process
 - c) Non spontaneous process
 - d) Fast process.



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DEPARTMENT OF RENEWABLE ENERGY

- Which of the following is a non-renewable resource?**
 - Coal
 - Forests
 - Water
 - Wildlife
- Which of the following is a disadvantage of most of the renewable energy sources?**
 - Highly polluting
 - High waste disposal cost
 - Unreliable supply
 - High running cost
- Photovoltaic energy is the conversion of sunlight into:**
 - Chemical energy
 - Biogas
 - Electricity
 - Geothermal energy
- Horizontal axis and vertical axis are the types of:**
 - Nuclear reactor
 - Wind mills
 - Biogas reactor
 - Solar cell
- Which among the following is not an adverse environmental impact of tidal power generation?**
 - Interference with spawning and migration of fish
 - Pollution and health hazard in the estuary due to blockage of flow of polluted water into the sea
 - Navigational hazard
 - None of the above
- A fuel cell, in order to produce electricity, burns:**
 - Helium
 - Nitrogen
 - Hydrogen
 - None of the above
- Both power and manure is provided by:**
 - Nuclear plants
 - Thermal plants
 - Biogas plants
 - Hydroelectric plant
- The outermost layer of the earth is:**
 - Magma
 - Mantle
 - Crust
 - Solid iron core
- Common energy source in Indian villages is:**
 - Electricity
 - Coal
 - Sun
 - Wood and animal dung
- The one thing that is common to all fossil fuels is that they:**

- (a) Were originally formed in marine environment
- (b) Contain carbon
- (c) Have undergone the same set of geological processes during their formation
- (d) Represent the remains of one living organisms

11. Lignite, bituminous and anthracite are different ranks of:

- (a) Nuclear fuel
- (b) Coal
- (c) Natural gas
- (d) Biogas

12. Crude oil is:

- (a) Colourless
- (b) Odourless
- (c) Smelly yellow to black liquid
- (d) Odourless yellow to black liquid

13. BTU is measurement of:

- (a) Volume
- (b) Area
- (c) Heat content
- (d) Temperature

14-The following is (are) the visible sign(s) of the large amount of heat lying in the earth's interior.

- (a) Volcanoes
- (b) Geysers
- (c) Hot springs
- (d) All of the above

15-The molten rock within the earth is

- (a) Igneous
- (b) Magma
- (c) Sedimentary
- (d) Metamorphic



PHYSICS

1. Who discovered Atom ?
 - a) Madam Curie (b) James Chadwick (c) Rutherford (d) John Dalton
2. Radiocarbon is produced in the atmosphere as a result of
 - a) collision between fast neutrons and nitrogen nuclei present in the atmosphere
 - b) action of ultraviolet light from the sun on atmospheric oxygen
 - c) action of solar radiations particularly cosmic rays on carbon dioxide present in the atmosphere
 - d) lightning discharge in atmosphere
3. Light year is a unit of
 - a) Time (b) Light (c) Distance (d) Intensity of light
4. Newton is used to measure
 - a) Speed (b) Volume (c) Force (d) Area
5. What is the unit of Work and Energy?
 - a) Joule (b) kilogram (c) ampere (d) meter
6. The rotational effect of a force on a body about an axis of rotation is described in terms of
 - a) Centre of gravity (b) Centripetal force (c) Centrifugal force (d) Moment of force
7. Energy possessed by a body in motion is called
 - a) Kinetic Energy (b) Potential Energy (c) Both of Above (d) None of Above
8. Which of the following is an electromagnetic wave ?
 - a) Cathode rays (b) Sound wave (c) Ultrasonic wave (d) Infrared rays
9. *What is the refractive index?*
 - a) It is defined as the ratio of speed of light in the medium to the speed of light in vacuum.
 - b) It is defined as the ratio of speed of light in vacuum to the speed of light in the medium .
 - c) It is defined as the product of speed of light in medium and in vacuum.
 - d) None of above
10. The nuclear reaction in which a heavy nucleus splits into two nuclei of nearly equal mass is called
 - a) Nuclear fusion (b) Nuclear fission (c) Nuclear reaction (d) Fast breeding



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DEPARTMENT OF RENEWABLE ENERGY

RESULT OF ENTRY LEVEL TEST FOR FIRST YEAR UG STUDENTS (JULY 2016)

SL. NO.	CLASS NO.	NAME OF THE STUDENT	MARKS (OUT OF 35)
1		SAITHUNA V.A.	20
2		ANANDU P.M.	29
3		TONY XAVIER P	33
4		MUHAMMED AFSAL	19
5		ANJANA S	10
6		MARIA SENNA	21
7		NIRMAL JOS	15
8		TREESA NADIYA P.J.	26
9		BIJOY VARGHESE	11
10		DONAL LOUIS	13
11		JOSEPH LLOYD SEEMANTHY	18
12		ANOOP SEBASTIAN	12
13		JACKSON K.J.	12
14		RINIL BOBAN	29
15		JIBIN THOMAS P.N.	22
16		SANJAY S KAMATH	17
17		JEFIN SEBASTIAN	25
18		AMALRAJ M.S.	18
19		TRESA MEENU A.A	21
20		JIYA BENNY	31
21		RINI TREESA P.G.	27
22		SOORAJ PRAKASH	21
23		NIVIN ALEX	29
24		NEESHMA SEBASTIAN	29
25		HARY CHRISTY P.J.	16
26		NIKHIL PETER	14
27		ASWIN P.K.	16
28		DANIEL P.J.	27
29		MARY LIYA FRANCIS	18
30		LAZAR S.H.	9
31		JOSHUA GEORGE	11
32		AKHIL JOSE K.J.	24
33		LAKSHMI MOHAN	30
34		ROBIN ALBY	13
35		RALPH ANTONY	18
36		NEHA M.A.	22
37		RAHUL ANIL	30
38		ANIL JACOB	15

39		STIMMY PRINCE	19
40		GEORGE JOSEPH C	14
41		LOYID K LOSHIAS	14
42		BHAVANA CARMEL K.S.	21
43		ASHMI T.C.	31
44		BIJOY SAJU	10
45		DEON DEVASSY	10
46		MARY VIPINA K.L	20
47		ROBIN THOMAS	11
48		SANJU GEORGE P.P	15

ENTRY LEVEL TEST (UG 2016-2017)

1. Name a radially symmetrical animal
2. Five kingdom classification was proposed by---
3. Causative agent of Taeniasis
4. Exoskeleton in Arthropoda is made up of----
5. Cell theory was proposed by---
6. Father of Immunology---
7. Lizards belongs to Class----
8. The yellowish fluid secreted by mother during initial days of lactation is---
9. Typhoid fever is caused by----
10. Name an autoimmune disorder
10. Largest number of white corpuscles are----
11. Name of the ship in which Charles Darwin went for his expedition
12. Rejection of transplanted organ is brought about by
13. Which primate is the closest relative of man?
14. Protein glycosylation in a cell takes place in---
15. Cancer causing genes are called—
16. Trychocyst occurs in—
17. Chief excretory product in fishes
18. Schwann cells are seen in---
20. Vasopressin is secreted by---
21. Head, Foot and visceral mass is seen in---
22. Trochophore is the larva of—
23. Ink glands are characteristic of---
24. Choanocytes are seen in
25. Plasmodium causes—
26. Neoteny is exhibited by—
27. Respiratory control centre is
28. Name a flightless bird.
29. Biodiversity Act was enacted in the year—
30. 30. What is clitellum?



DEPARTMENT OF ZOOLOGY

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MARKLIST

Sl.No.	Class No.	Name of the student	Entry level test mark out of 100
1	8301	S SANGEETH	78
2	8302	SHABAZ V S	52
3	8304	REMYA RANJITH	96
4	8305	ANGEL K	64
5	8306	KRISHNA K R	88
6	8309	AMMU C	96
7	8310	SINDHOORA T B	78
8	8312	HARITHA MOL	70
9	8313	GIRIDHAR M	68
10	8314	AMALA K	70
11	8315	SHIVAJI N R	68
12	8316	SHALINI SHAJI	58
13	8317	NAYANA SHAJAN	86
14	8318	KEERTHY N K	80
15	8320	ANNS K	78
16	8321	FRANCIS	70

17	8322	ARDRA SEBASTIAN	60
18	8323	ANJANA THOMAS	68
19	8324	MARTIN M	68
20	8325	CHRISTY ANTONY	70
21	8326	ASHMY GEORGE	72
22	8327	SHANKAR MS	58
23	8328	ALEENA ANTONY	78
24	8329	PRAVEENA VENU	72
25	8330	ASTRID MATHEW	80
26	8331	ASHNA GILSON	74
27	8333	THASLIMA TR	84
28	8334	JENCY GEORGE	64
29	8335	AMANDA JESTI	76
30	8336	AKSHAY THOMAS	70
31	8337	ALEENA ANISH	80
32	8338	DIYA SINJEEV	78
33	8340	BLAZE BABU	54
34	8343	S GAYATHRI	88
35	8344	LAKSHMI J	64
36	8345	AMRUTHA PRAKASH	74



DEPARTMENT OF ZOOLOGY

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ENTRY LEVEL TEST - I M.Sc ZOOLOGY (2016-2018 BATCH)

1. Largest bone in the human body -
2. Extra chromosomal genetic material in bacteria -
3. Smallest bone in humans - 4. Elephantiasis is caused by - 5. Locomotory organ of bacteria -
6. Pacemaker of heart -
7. Smallest muscle in human body - 8. Part of brain maintains equilibrium -
9. Rh incompatibility disease in newborns is _____
10. Cones are responsible for _____ vision .
11. Gland known as biological clock _____
12. Cytoplasmic connections between cells are called _____
13. Scientific name of pigeon -
14. Muscle fatigue is due to _____ accumulation.
15. Expand ICZN-
16. Cell theory was proposed by _____
17. Cnidarians shows _____ level of organisation
18. Connecting link between annelids and arthropods _____
19. Environmental protection Act _____ year
20. Normal life span of human RBC _____
21. Most common helical conformation of DNA-
22. Expand HTML.
23. Overlapping zones between two biological communities _____
24. Species that occupy same habitat but are reproductively isolated is called as _____
25. Give an example for a search engine.
26. The practice of taking someone else's work or ideas and passing them off as one's own is known as _____
27. Middlemost value obtained when a set of values are arranged in a linear order is known as _____
28. The theory of natural selection proposed by _____
29. The term "Ecosystem" was coined by _____
30. Trisomy of 18th chromosome leads to _____



Internal Quality Assurance Cell, St. Albert's College (AUTONOMOUS), Ernakulam

ENTRY LEVEL TEST ANALYSIS M.Sc Zoology (2016-2017 Batch)

DEPARTMENT		Zoology			
No	Class No	Name	Marks for Entry level test (Out of 100)	greater than 75%	between 40 and 74
1	252	SHAROON ROSE V	56.6	56.6	
2	253	LIJI MAREENA P.A	53.3	53.3	
3	254	ASHITHA L.S.	60	60	
4	255	NIMISHA N.S	83.3	83.3	
5	256	TREASA AUGUSTINA	80	80	
6	257	SANDRA BABU	73.3	73.3	
7	258	MARY VINEETHA M. J	50	50	
8	259	SHANKARI M	93.3	93.3	
9	260	PAULSON P. T	40	40	
10	262	NEETHU MARY ELIZABETH	26.6	26.6	
11	263	ROSE MARY	33.3	33.3	
12	264	SONAT JOSEPH	60	60	
13	265	DHILNA FRANCIS	26.6	26.6	
14	266	SHEETHAL . S	80	80	
15	267	ANJITHA SOMAN	46.6	46.6	
16	268	NIYA JOSEPH K	86.6	86.6	
17	271	ANJU V. M	66.6	66.6	
18	272	AISHWARYA AJITH	46.6	46.6	
19	273	JEESHNA RATHEESAN	20	20	
20	27	RASEENA M. P	6		



M. SC APPLIED FISHERIES AND AQUACULTURE ENTRY LEVEL TEST (2017-2019 BATCH)

- Blood circulation in fish is called as
 - Double circulation
 - arterial circulation
 - Venous circulation
 - arterial and venous circulation
- Penaeus Japonicus* is commonly called as
 - Kuruma Shrimp
 - Kuruma Lobster
 - Kuruma Prawn
 - Kuruma Fish
- What is called a tiger prawn?
 - penaeusindicus.
 - Metapenaeusdobsoni
 - Penaeus monodon
 - Metapenaeussp
- Which one of the following is a live feed organism?
 - Tubifex.
 - seaweed
 - crab
 - Oyster
- Trash fish mean?
 - Name of a fish.
 - Unwanted fish
 - Bottom dwelling fish.
 - Surface living fish
- Mina Mata disease is caused by
 - Cadmium
 - Mercury
 - Lead
 - Iron
- Cyst of brine shrimp hatch out as
 - Mysis
 - Naupli
 - Zoea
 - protozoa
- What is Sagarsampada?
 - A research vessel.
 - A commercial ship
 - A Naval ship
 - A luxury vessel
- Chilka lake is situated in
 - Bihar.
 - Orissa
 - Andhra Pradesh
 - West Bengal
- The aquatic animal with the most developed intelligence is
 - Whale
 - Seal
 - Dolphin
 - Kangaroo
- What is masmeen?

- a) Dry tunas. b)Dry Sardines c)Wet anchovies. d)Dry anchovies
12. Monosex culture is adopted in case of
- a) Tilapia. b)Trout's c)Channel catfishes d) Carps
13. Fishes in culture ponds come to the surface in the morning for want of
- a) Oxygen b)Food c)Sunlight. d)Shade
14. Cirrhosis is a disease that affects which among the following organs?
- a) Kidney b)Liver c)Pancreas d)Small Intestine
15. What provides instant energy?
- a) Fat b)Carbohydrates c) Protein d)Vitamin
16. Venom of cobra attacks on?
- a) Digestive system b) Nervous system c)Circulatory system d) Respiratory system
17. Which organ of the body produces the fluid known as bile?
- a) Liver b) Pancreas c) Gallbladder d) Kidney
18. Hepatitis is a general term for a disease that is caused by:
- a) Viruses b) Bacteria c)Parasites d)All the above
19. Which one of the following systems of the body is primarily attacked by HIV?
- a) Cardiovascular b) Immune c) Respiratory d) Reproductive
20. Which of the following is one of the functions of antigen?
- a) Lowers body temperature b)Destroys harmful bacteria
- c) Triggers the immune system d) Used as an antidote to poison
21. Instrument used to determine water salinity is.....
- a) Refractometer b)BOD bottles c) Secchi disc d) None of the above
22. Water controlling device used in aquafarms are called
- a) Monk gate b) Sluice gate c) Dike compartment d) None
23. Gas bubble disease in fishes is caused by the supersaturation of
- a) Oxygen b)Carbon dioxide c) Ammonia d) Methane
24. Chilka lake is situated in
- a) Bihar. b)Orissa c)Andhra Pradesh d)West Bengal
25. The aquatic animal with the most developed intelligence is
- a) Whale b) Seal c) Dolphin. d) Kangaroo
26. Which is called a guppy?
- (a)Macropodus (b) Colisa (c)Mollienisia (d) Poecilia
27. National fish of India
- (a) Sardine (b) Pearl spot (c) Mackerel (d) Tuna
28. Which one is the ornamental fish?
- (a) Common carp (b) Tilapia (c) Gold fish (d) Catfish

29. Rigor Mortis is basically characterized by
a) Stiffening of body b) Softening of body c) Asphyxiation d) Red cheeks
30. Which culture technology is suitable for the culture of sea bass?
a) Pen b) Cage c) Pond d) Raceway
31. Selective accumulation of iodine occurs in:
a) Intestine b) Thymus c) Thyroid d) Liver
32. Liver secretes:
a) No enzymes b) Digestive enzymes c) Hormones d) Succus enteric
33. The species which is most suitable for aquaculture is called
(a) Exotic species (b) Candidate species (c) Subspecies (d) Native species
34. First Fisheries college established in India is in
(a) Kerala (b) Karnataka (c) New Delhi (d) Maharashtra
35. An artificial fish habitat is
(a) a construction which provides a habitat for fishes
(b) a place where fishes are processed
36. Mud bank is formed along the coast of Exoskeleton of crab is made of
(a) Calcium (b) Chitin (c) Phosphate (d) None of the above
37. Pearl is a secretion of
(a) Kidney (b) Mantle (c) Mouth (d) Water
38. Phenomenon of red tide in the sea is due to the presence of
(a) Red algae (b) Bioluminescent dinoflagellates
(c) Dinoflagellates (d) Red colour of water
39. Sea urchin belong to the class
(a) Holothuroidea (b) Echinoidea (c) Helicoplacoidea (d) Ophiocystiodes
40. Which one of the following gems is produced by animals?
(a) Diamond (b) Emerald (c) Ruby (d) Pearl
41. Sundarban is located in
(a) Gujarat (b) Bangladesh (c) West Bengal (d) West Bengal and Andhra Pradesh
42. Which is called a guppy?
(a) Macropodus (b) Colisa (c) Mollienisia (d) Poecilia
43. National fish of India
(a) Sardine (b) Pearl spot (c) Mackerel (d) Tuna

44. Which one is the ornamental fish?
(a) Common carp (b) Tilapia (c) Gold fish (d) Catfish
45. Which of the following not a fish
a) Jelly Fish b) Seer Fish c) White bait d) Lady Fish
46. What is the average salinity of sea water?
a) 15ppt b) 100ppt c) 66ppt d) 3ppt
47. Study of fish is known as
(a) Ornithology (b) Ichthyology (c) Ethology (d) entomology
48. A group of glands which produce various hormones is called:
a) Respiratory system b) Excretion c) Endocrine system d) Central nervous system
49. The complex feeding relationships within a community is called:
a) Food chain b) Food web c) Trophic level d) All of the above
50. The major waste produced by human body is/are:
a) Carbon dioxide b) Urea c) Both A and B d) Only B
-

Research Department of Fisheries & Aquaculture



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M. Sc AFA (2017- 19 BATCH)

SL NO	ADN NO	NAME	MARK (OUT OF 50)
1	646	SREEJITH	48
2	643	SAJISHNU	48
3	645	ANTONY AMBROSE	44
4	647	AVITTA ANN MARY	42
5	648	SHABANA BOBBY	47
6	755	SARATH	40
7	778	NANDEESA DAS .K.	34
8	635	LAKSHMI	41
9	782	JINOY JOY	45
10	798	BAKISON MARBANIANG	40
	849	HANNATHBI .P	
11	794	ALBERT KHARMUTEE	37
12	796	BEGIUS LYNGDOH MAWLONG	39
13	832	DOUGLAS SHANDI LAMIN	43
14	831	LEON MELCHOIR SHANGPLIANG	40

15	830	BANKERLANG NONGRUM	44
16		JESPARLIN MAWSOR	35
17	649	ANTO ITTOOP	38



ENTRY LEVEL TEST

B.Sc. AQUACULTURE & B.Sc. INDUSTRIAL FISH AND FISHERIES (2017-2020 BATCH)

- The ratio between food consumed per unit weight gained by the body is expressed by
 - Food Conversion Rate
 - Food Absorption Rate
 - Food Consumption Rate
 - Food Assimilation Rate
- The most abundant constituent of atmospheric air is ?a)Oxygen
 - Hydrogen
 - Nitrogen
 - None
- Study of internal structure of organism is called:
 - Agrostology
 - Agronomy
 - Anatomy
 - None
- The species which is most suitable for aquaculture is called
 - Exotic species
 - Candidate species
 - Subspecies
 - Native species
- Which of the following is a poisonous fish?
 - hammerhead shark
 - goldfish
 - lionfish
 - killer whale
- State fish of Kerala
 - Miss Kerala
 - Catla
 - Pearl spot
 - Tilapia
- In science, what is the name for the classification of plants and animals?
 - taxonomy
 - taxidermy
 - entropy
 - gentrification
- Blood pressure is measured with
 - lungs
 - pituitary gland
 - adrenal gland
 - thyroid gland
- The brain is covered by
 - Meninges
 - Skin
 - Bone
 - All the above
- Cancer is caused by
 - Loss of immunity of cells
 - Uncontrolled meiosis
 - Uncontrolled mitosis
 - Rupturing of cells
- What is called a tiger prawn?
 - Penaeus indicus.
 - Metapenaeus dobsoni
 - Penaeus monodon
 - Metapenaeus sp
- Which one of the following is a live feed organism?
 - Tubifex.
 - seaweed
 - crab
 - Oyster
- Who is known as father of Zoology.....
 - Darwin
 - Aristotle
 - Lamark
 - Theophrastus
- Animal without red blood cells.....
 - Frog
 - Earthworm
 - Snake
 - Peacock

16. Which is a maritime state.....
- a) Assam b) Meghalaya c) West Bengal d) Bihar
17. What is the average salinity of seawater?
- a) 15 ppt b) 100 c) 66 ppt d) 35 ppt
18. Which of these is not part of the endocrine system?
- a) lungs b) pituitary gland c) adrenal gland d) thyroid gland
18. Liver secretes:
- a) No enzymes b) Digestive enzymes c) Hormones d) Succus entericus
19. Which one of the following is regarded as main cellular fuel?
- a) Protein b) Fat c) Fructose d) Glucose
20. Which blood group is known as a Universal donor?
- a) A+ b) A- c) AB d) O
22. Which organ of the body produces the fluid known as bile?
- a) Liver b) Pancreas c) Gallbladder d) Kidney
23. Hepatitis is a general term for a disease that is caused by:
- a) Viruses b) Bacteria c) Parasites d) All the above
24. Which one of the following systems of the body is primarily attacked by HIV?
- a) Cardiovascular b) Immune c) Respiratory d) Reproductive
25. Which one of the following gems is produced by animals?
- (a) Diamond (b) Emerald (c) Ruby (d) Pearl
26. Sundarban is located in
- (a) Gujarat (b) Bangladesh (c) West Bengal (d) West Bengal and Andhra Pradesh
27. Which is called a guppy?
- (a) Macropodus (b) Colisa (c) Mollienisia (d) Poecilia
28. The zone where deep current rise to the surface called
- a) Zone of eutrophication b) Zone of upwelling
c) Zone of upwelling d) Zone of swelling
29. Hibernation is
- a) Summer sleep b) Winter sleep c) Dormant sleep d) Diving
30. Pure water is obtained from sea water is called
- (a) Filtration (b) Distillation (c) Evaporation (d) Fractional distillation
31. Sea ranching means
- (a) Sailing in the sea (b) Diving in the sea (c) Snorkeling in the sea
(d) Releasing fish seed into the sea

32. Age of fishes was known as.....
- a) Devonian b) Ordovician c) Crustaceous d) Silurian
33. The metal present in the chlorophyll is
- a) Calcium b) Aluminium c) Zinc d) Magnesium
34. Which of the following not a fish
- (a) Jellyfish (b) Seer fish (c) White bait (d) Lady Fish
35. What is the average salinity of seawater?
- (a) 15ppt (b) 100ppt (c) 66ppt (d) 35ppt
36. Which of the following not a fish
- (a) Jellyfish (b) Seer fish (c) White bait (d) Lady Fish
37. What is the average salinity of seawater?
- (a) 15ppt (b) 100ppt (c) 66ppt (d) 35ppt
38. The richest source of vitamin D is
- a) Cheese b) Milk c) Spinach d) Cod liver oil
39. Which of the following tests helps in diagnosis of cancer?
- a) urine test b) Neuro Test c) Blood test d) Biopsy test
40. Exoskeleton of crab is made of
- (a) Calcium (b) Chitin (c) Phosphate (d) None of the above
41. Pearl is a secretion of
- (a) Kidney (b) Mantle (c) Mouth (d) Water
42. Larvae of petromyzon is
- (a) Ammocoetus (b) Tadpole (c) Elver (d) Pupa
43. Pituitary extract is preserved in
- (a) Absolute alcohol (b) Formalin (c) Acetone (d) Saline
44. Rubber is obtained from?
- a) cell sap b) latex c) gum d) resin
45. Name of the first successfully cloned deer?
- (a) Drewn b) Dewey c) Drarar d) Delor
46. The olfactory epithelium of teleost is highly secretory due to the presence of
- (a) Phosphatase activity (b) Water (c) Gland cells (d) Lipids
47. Mud bank is formed along the coast of Exoskeleton of crab is made of
- (a) Calcium (b) Chitin (c) Phosphate (d) None of the above
48. The species which is most suitable for aquaculture is called
- (a) Exotic species (b) Candidate species (c) Subspecies (d) Native species
49. First Fisheries college established in India is in
- (a) Kerala (b) Karnataka (c) New Delhi (d) Maharastra
50. Which of the following is a floating weed?
- (a) Water lily (b) Water milfoil (c) Water hyacinth (d) None of the above

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I B. Sc AQUACULTURE (2017- 20 BATCH)

No	Adm. No	Name	Marks for Entry	
1	1062	YADU KRISHNAN	42	
2	1346	SARONA MARY K.A	38	
3	1347	SWETHA BABU	37	
6	1335	MARY TEENA K F	44	
4	1338	JILU JOSEPH K J	44	
5	1442	SINI MARIA.K.G	41	
7	1161	JESTIN M S	38	
8	1156	LINTA BABU	42	
9	1344	ARJUN M S	40	
10	1063	JUNEMARY JOSY	38	
	1064	NAMITHA PAUL	41	
11	1066	SHANIYA YESUDAS	38	

12	1099	KAVYA K B	37	
13	1337	RAHMA P S	45	
14	1333	SHIYA BIJU	43	
15	1475	SONA ROSE SHAJI	44	
16	1474	ANCY JOHN	40	
17	1055	RESHMA SEBASTIAN	39	
18	1057	BENEETA LORANCE	38	
19	1058	NANCEY SELIN	43	
	1012	RAJEENA MICHAEL	39	
20	1340	ANEENA XAVIER	41	
21	879	SREELAKSHMI P S	38	
22	1060	ATHULYA K.A	44	
23	1071	RAKENDU T R	45	
24	1362	ABIN PRAKASH	40	
25	119 0	ATHIRA P A	39	



ENTRY LEVEL TEST (2017)

1. The long terms assets that have no physical existence but are rights that have value is known as?
Current assets
Fixed assets
Intangible assets
Investments
2. Any written evidence in support of a business transaction is called
Journal
Ledger
Ledger posting
Voucher
3. Which among the following is the correct accounting equation?
Assets = Capital + Liabilities
Capital = Assets + Liabilities
Assets = Capital – Liabilities
Liabilities = Assets + Capital
4. Stock is a account. Personal
Real
Nominal
5. Which of the following does not belong to Maslow's Need Hierarchy Theory?
Physiological
Safety
Social
Self-actualization
6. Who propounded the Two Factor Theory of motivation?
Maslow
Herzberg
McGregor
McClelland
7. Unit of direction is concerned with:
One head one plan
One head different plan
Planning by employee
Planning by production manager
8. Who is considered as the father of scientific management?
Henry Fayol
Gilberth
F. W Taylor
Harold Koontz
9. What do you mean by the demand of a commodity?
Desire for the commodity
Need for the commodity
Quantity demanded of that commodity

Quantity that consumers are able and willing to buy at various prices during any particular period of time

10. Which of the following is the relation that the law of demand defines?
 - Income and price of a commodity
 - Price and quantity of a commodity
 - Income and quantity demanded
 - Quantity demanded and quantity supplied
11. Communication is a part of skill.
 - Soft
 - Hard
 - Rough
 - Short
12. At each stage in the process of communication, there is a possibility of interference which may hinder the process. Such interference is known as ____.
 - Sender
 - Receiver
 - Barrier
 - None of them
13. A business proposal from a branch manager of a company to the managing director of the company is an example of horizontal communication.
 - True
 - False
14. Keeping shoulders straight right and body relaxed is an example of:
 - Facial Expressions
 - Posture
 - Gesture
 - Eye contact



DEPARTMENT OF BUSINESS ADMINISTRATION

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SL. NO.	CLASS NO.	NAME	MARKS
1	2601	MINU MOHAN	10
2	2602	AVINASH SARATH	11
3	2604	LIHAN PULIYAKKUNNAN	13
4	2605	MARYSHIL SOZA	9
5	2606	SHIYANA LISS D CUNHA	10
6	2607	ASHA BA	12
7	2610	ANAL ALEX	13
8	2611	ALEX ANTONY	11
9	2614	ABHIRAMI K B	10
10	2615	I RITU	14
11	2616	E VIGNESH	13
12	2618	ANAND V	9
13	2620	JOEL GEORGE	10
14	2621	AAVANI S KUMAR	11
15	2622	SURAJ SURESH	12
16	2623	ABHISHEK T J	14
17	2624	SANJITH S KUMAR	14
18	2625	ANNA JASMINE FRANCIS	12

19	2628	ANTONY JACKSON	11
20	2629	SARIKA SANTHOSH	10
21	2630	JIBIN M JOHNSON	9
22	2631	MARIYA RANI BOBAN	8
23	2632	SONIYA JOB C	11
24	2633	SHILPA N MENON	11
25	2635	MARY JENCY V S	12
26	2636	YEDHU KRISHNA.T.M	13
27	2637	ASWATHY KV	12



Department of Chemistry & Research Centre

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Website: www.alberts.edu.in

B. SC CHEMISTRY & B. SC INDUSTRIAL CHEMISTRY ENTRY LEVEL TEST (2017)

Time: 1 hour

Maximum Marks: 50

- Which of the following ore is best concentrated by the froth floatation process?
 - Magnetic
 - Siderite
 - Galena
 - Malachite
- Extraction of gold and silver involves leaching with CN^- . Silver is later recovered by
 - Distillation
 - Zone refining
 - Displacement by Zn
 - Liquation
- Which one of the following ore is concentrated by chemical leaching method?
 - Galena
 - Copper pyrites
 - Cinnabar
 - Argentite
- According to the Ellingham diagram, the oxidation reaction of carbon to carbon monoxide may be used to reduce which one of the following at lowest temperature?
 - Al_2O_3
 - Cu_2O
 - MgO
 - ZnO
- The first step in extraction of copper from $CuFeS_2$ is
 - reduction by carbon
 - electrolysis of ore
 - roasting in O_2
 - magnetic separation
- Roasted copper pyrites on smelting with sand produces
 - $FeSiO_3$ and Cu_2S
 - $CaSiO_2$ and Cu_2O
 - $Ca_3(PO_4)_2$ and Cu_2S
 - $Fe_3(PO_4)_2$ and Cu_2S

7. The composition of copper matte is

- (a) $\text{Cu}_2\text{S} + \text{FeS}$
- (b) $\text{Cu}_2\text{S} + \text{Cu}_2\text{O}$
- (c) $\text{Cu}_2\text{S} + \text{FeO}$
- (d) $\text{Cu}_2\text{O} + \text{FeS}$

8. ΔG° vs T plot in Ellingham's diagram slopes downward for the reaction.

- (a) $\text{Mg} + \frac{1}{2}\text{O}_2 \longrightarrow \text{MgO}$
- (b) $2\text{Ag} + \frac{1}{2}\text{O}_2 \longrightarrow \text{Ag}_2\text{O}$
- (c) $\text{C} + \frac{1}{2}\text{O}_2 \longrightarrow \text{CO}$
- (d) $\text{CO} + \frac{1}{2}\text{O}_2 \longrightarrow \text{CO}_2$

9. A number of elements are available in earth's crust but most abundant elements are _____.

- (a) Al and Fe
- (b) Al and Cu
- (c) Fe and Cu
- (d) Cu and Ag

10. Brine is electrolysed by using inert electrodes. The reaction at anode is _____.

- (a) $\text{Cl}^- (\text{aq.}) \longrightarrow \frac{1}{2} \text{Cl}_2 (\text{g}) + e^-;$
 $E_{\text{Cell}}^\ominus = 1.36\text{V}$
- (b) $2\text{H}_2\text{O} (\text{l}) \longrightarrow \text{O}_2 (\text{g}) + 4\text{H}^+ + 4e^-;$
 $E_{\text{Cell}}^\ominus = 1.23\text{V}$
- (c) $\text{Na}^+ (\text{aq.}) + e^- \longrightarrow \text{Na}(\text{s});$
 $E_{\text{Cell}}^\ominus = 2.71\text{V}$
- (d) $\text{H}^+ (\text{aq.}) + e^- \longrightarrow \frac{1}{2} \text{H}_2 (\text{g});$
 $E_{\text{Cell}}^\ominus = 0.00\text{V}$

11. In the extraction of chlorine by electrolysis of brine _____.

- (a) oxidation of Cl^- ion to chlorine gas occurs.
- (b) reduction of Cl^- ion to chlorine gas occurs.
- (c) For overall reaction ΔG° has a negative value.
- (d) a displacement reaction takes place.

12. Which of the following reactions is an example of auto reduction?

- (a) $\text{Fe}_3\text{O}_4 + 4\text{CO} \rightarrow 3\text{Fe} + 4\text{CO}_2$
- (b) $\text{Cu}_2\text{O} + \text{C} \rightarrow 2\text{Cu} + \text{CO}$
- (c) $\text{Cu}^{2+} (\text{aq}) + \text{Fe} (\text{s}) \rightarrow \text{Cu} (\text{s}) + \text{Fe}^{2+} (\text{aq})$
- (d) $\text{Cu}_2\text{O} + 12\text{Cu}_2\text{S} \rightarrow 3\text{Cu} + 12\text{SO}_2$

13. The electrolytic reduction technique is used in the extraction of (a) Highly electronegative elements.

- (b) Highly electropositive elements.
- (c) Metalloids.
- (d) Transition metals.

14. In the commercial electrochemical process for aluminium extraction, electrolyte used is (a) $\text{Al}(\text{OH})_3$ in NaOH solution.

- (b) An aqueous solution of $\text{Al}_2(\text{SO}_4)_3$.
- (c) A molten mixture of Al_2O_3 and Na_3AlF_6 .
- (d) A molten mixture of Al_2O_3 and $\text{Al}(\text{OH})_3$.

15. Which ore can be best concentrated by the froth floatation process?

- (a) Malachite
- (b) Cassiterite
- (c) Galena
- (d) Magnetite

16. Electrolytic reduction of Al_2O_3 to Al by Hall- Heroult process is carried out (a) in presence of NaCl .

- (b) in the presence of fluorite.
- (c) in presence of cryolite which forms a melt with lower melting point.
- (d) in presence of cryolite which forms a melt with high melting point.

17. The chemical composition of 'slag' formed during the melting process in the extraction of copper is

- (a) $\text{Cu}_2\text{O} + \text{FeS}$
- (b) FeSiO_3
- (c) CuFeS_2
- (d) $\text{Cu}_2\text{S} + \text{FeO}$

18. Bessemer converter is used in the manufacture of

- (a) Pig iron
- (b) Steel
- (c) Wrought iron
- (d) Cast iron

19. The method of zone refining of metals is based on the principle of (a) greater mobility of the pure metal than that of the impurity.

- (b) higher melting point of the impurity than that of the pure metal.
- (c) greater noble character of the solid metal than that of impurity.
- (d) greater solubility of the impurity in the molten state than in the solid.

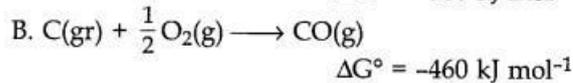
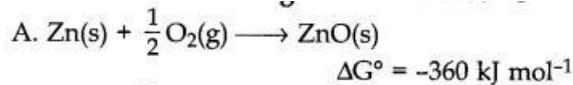
20. In the leaching of Ag_2S with NaCN , a stream of air is also passed. It is because (a) The reaction between Ag_2S and NaCN is reversible.

- (b) to oxidise Na_2S formed in the reaction to Na_2SO_4 .
- (c) to oxidise Ag_2S to Ag_2O .
- (d) Both (a) and (b).

21. Purest form of iron is

- (a) Cast iron
- (b) Hard Steel
- (c) Stainless steel
- (d) Wrought iron

22. Consider the following reaction at 1000°C



Choose the correct statement at 1000°C

- (a) Zinc can be oxidised by carbon monoxide.
- (b) Zinc oxide can be reduced by graphite.
- (c) Both statements (a) and (b) are correct.
- (d) Both statements (a) and (b) are false.

23. At the temperature corresponding to which of the points in Fig. FeO will be reduced to Fe by coupling the reaction $2\text{FeO} \rightarrow \text{Fe} + \text{O}_2$ with all of the following reactions?

- (i) $\text{C} + \text{O}_2 > \text{CO}_2$
- (ii) $2\text{C} + \text{O}_2 > 2\text{CO}$ and (Hi) $2\text{CO} + \text{O}_2 > 2\text{CO}_2$
- (a) Point A
- (b) Point B
- (c) Point C
- (d) Point D

24. Which of the following options are correct?

- (a) Cast iron is obtained by smelting pig iron with scrap iron and coke using hot air blast.
- (b) In extraction of silver, silver is extracted as a cationic complex.
- (c) Nickel is purified by zone refining.
- (d) Zr and Ti are purified by van Arkel method.

25. In the extraction of aluminium by Hall-Heroult process, purified Al_2O_3 is mixed with CaF_2 to

- (a) lower the melting point of Al_2O_3 .
- (b) increase the conductivity of molten mixture.
- (c) reduce Al^{3+} into Al(s)
- (d) acts as a catalyst.

26. Common impurities present in bauxite are

- (a) CuO
- (b) ZnO
- (c) Fe_2O_3
- (d) SiO_2

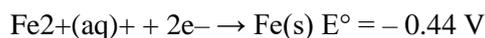
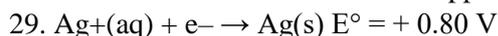
27. Which of the following statements is correct about the role of substances added in the froth floatation process?

- (a) Collectors enhance the non-wettability of the mineral particles.
- (b) Collectors enhance the wettability of gangue particles.
- (c) By using depressants in the process two sulphide ores can be separated.
- (d) Froth stabilisers decrease wettability of gangue.

28. A new galvanic cell of E° more than E° of Daniel cell is connected to Daniel cell in a manner that new cell gives electrons to cathode, what will happen

- (a) E_{cell} will increase
- (b) E_{cell} will decrease

- (c) No change will take place
 (d) Daniel cell will work as an electrolytic cell where Zn will be deposited on zinc rod and copper will dissolve from copper rod.



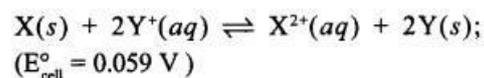
What is emf of $\text{Fe}(\text{s}) + 2\text{Ag}^+(\text{aq}) \rightarrow \text{Fe}^{2+}(\text{aq}) + 2\text{Ag}(\text{s})$

- (a) 1.16 V
 (b) 1.24 V
 (c) 2.04 V
 (d) -1.16 V
30. A conductivity cell containing electrodes made up of
 (a) Gold
 (b) Silver
 (c) Platinised platinum
 (d) Copper
31. Which of the following expressions is correct for 'Ka' in terms of Λ° and Λ , where 'C' is molarity.

(a) $K_a = \frac{C\Lambda_m^\circ}{\Lambda_m(\Lambda_m^\circ - \Lambda)}$
 (b) $K_a = \frac{C\Lambda_m^2}{\Lambda_m^\circ(\Lambda_m^\circ - \Lambda_m)}$
 (c) $K_a = \frac{C\Lambda_m^2}{\Lambda_m^\circ}$
 (d) $K_a = \frac{C\Lambda_m^2}{(\Lambda_m^\circ - \Lambda_m)}$

32. What is pH of the half cell $\text{Pt}|\text{H}_2|\text{Fe}^{3+}|\text{H}^+$ if $E_{\text{H}^+/\text{H}_2}^\circ = -0.0295 \text{ V}$
 (a) 1
 (b) 2
 (c) 0.5
 (d) 3

33.



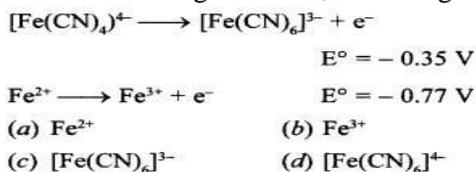
34.

What is the value of 'K' for the above reaction?

- (a) 1×10^8
 (b) 1×10^2
 (c) 4×10^3
 (d) 3×10^4
34. Which of the following statements is correct?
 (a) E_{cell} and $\Delta_r G$ of cell reaction both have extensive properties.
 (b) E_{cell} and $\Delta_r G$ of cell reaction both are intensive properties.
 (c) E_{cell} is an intensive property while $\Delta_r G$ of cell reaction is an extensive property.
 (d) E_{cell} is an extensive property while $\Delta_r G$ of cell reaction is an intensive property.
35. While charging the lead storage battery _____ .
 (a) PbSO_4 anode is reduced to Pb.
 (b) PbSO_4 cathode is reduced to Pb.
 (c) PbSO_4 cathode is oxidised to Pb.

(d) PbSO₄ anode is oxidised to PbO₂.

36. On the basis of following E° values, the strongest oxidising agent is



- (a) Fe²⁺ (b) Fe³⁺
(c) [Fe(CN)₆]³⁻ (d) [Fe(CN)₆]⁴⁻

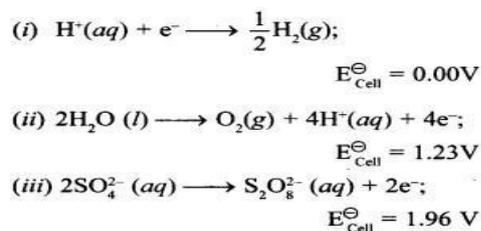
37. Λ of M/32 solution of weak acid is 8 S cm² mol⁻¹ and limiting molar conductivity is 400 S cm² mol⁻¹. K_a for acid is

- (a) 1.25 × 10⁻⁶
(b) 6.25 × 10⁻⁴
(c) 1.25 × 10⁻⁴
(d) 1.25 × 10⁻⁵

38. The positive value of the standard electrode potential of Cu²⁺/Cu indicates that

- (a) this redox couple is a stronger reducing agent than the H⁺/H₂ couple.
(b) This redox couple is a stronger oxidising agent than H⁺/H₂.
(c) Cu can displace H₂ from acid.
(d) Cu cannot displace H₂ from acid.

39. E[⊖]_{cell} for some half cell reactions are given below. On the basis of these marks the correct answer. [NCERT Exemplar]



- (a) In dilute sulphuric acid solution hydrogen ion will be reduced at cathode.
(b) In concentrated sulphuric acid solution, water will be oxidised at anode.
(c) In dilute sulphuric acid solution, water will be oxidised at anode. (d) In dilute sulphuric acid solution, SO₄²⁻ ions will be oxidised to tetrathionate ions at anode.

40. E[⊖]_{Cell} = 1.1V for Daniel cell. Which of the following expressions are the correct description of the state of equilibrium in this cell? [NCERT Exemplar]

- (a) 1.1 = K_c
(b) $\frac{2.303RT}{2F} \log K_c = 1.1$
(c) $\log K_c = \frac{2.2}{0.059}$
(d) $\log K_c = 1.1$

41.

Λ⁰_m H₂O is equal to _____.

[NCERT Exemplar]

- (a) Λ⁰_m (HCl) + Λ⁰_m (NaOH) - Λ⁰_m (NaCl)
(b) Λ⁰_m (HNO₃) + Λ⁰_m (NaNO₃) - Λ⁰_m (NaOH)
(c) Λ⁰_m (HNO₃) + Λ⁰_m (NaOH) - Λ⁰_m (NaNO₃)
(d) Λ⁰_m (NH₄OH) + Λ⁰_m (HCl) - Λ⁰_m (NH₄Cl)

42. The charge required for the reduction of 1 mol of MnO_2^- to MnO_2 is

- (a) 1 F
- (b) 3 F
- (c) 5 F
- (d) 6 F

43. The cell reaction of the galvanic cell.

$\text{Cu(s)} / \text{Cu}^{2+}(\text{aq}) // \text{Hg}^{2+}(\text{aq}) / \text{Hg(l)}$ is

- (a) $\text{Hg} + \text{Cu}^{2+} \longrightarrow \text{Hg}^{2+} + \text{Cu}$
- (b) $\text{Hg} + \text{Cu}^{2+} \longrightarrow \text{Cu}^+ + \text{Hg}^+$
- (c) $\text{Cu} + \text{Hg} \longrightarrow \text{CuHg}$
- (d) $\text{Cu} + \text{Hg}^{2+} \longrightarrow \text{Cu}^{2+} + \text{Hg}$

44. Which of the following reactions is used to make fuel cells?

- (a) $\text{Cd(s)} + 2\text{Ni(OH)}_3(\text{s}) \longrightarrow \text{CuO(s)} + 2\text{Ni(OH)}_2(\text{s}) + \text{H}_2\text{O(l)}$
- (b) $\text{Pb(s)} + \text{PbO}_2(\text{s}) + 2\text{H}_2\text{SO}_4(\text{aq}) \longrightarrow 2\text{PbSO}_4(\text{s}) + 2\text{H}_2\text{O(l)}$
- (c) $2\text{H}_2(\text{g}) + \text{O}_2(\text{g}) \longrightarrow 2\text{H}_2\text{O(l)}$
- (d) $2\text{Fe(s)} + \text{O}_2(\text{g}) + 4\text{H}^+(\text{aq}) \longrightarrow 2\text{Fe}^{2+}(\text{aq}) + 2\text{H}_2\text{O(l)}$

45. If limiting molar conductivity of Ca^{2+} and Cl^- are 119.0 and 76.3 $\text{S cm}^2 \text{ mol}^{-1}$, then the value of limiting molar conductivity of CaCl_2 will be

- (a) 195.3 $\text{S cm}^2 \text{ mol}^{-1}$
- (b) 271.6 $\text{S cm}^2 \text{ mol}^{-1}$
- (c) 43.3 $\text{S cm}^2 \text{ mol}^{-1}$
- (d) 314.3 $\text{S cm}^2 \text{ mol}^{-1}$.

46. The emf of the cell:

$\text{Ni} / \text{Ni}^{2+} (1.0 \text{ M}) // \text{Au}^{3+} (1.0 \text{ M}) / \text{Au}$ ($E^\circ = -0.25 \text{ V}$ for Ni^{2+}/Ni ; $E^\circ = 1.5 \text{ V}$ for Au^{3+}/Au) is

- (a) 1.25 V
- (b) -1.25 V
- (c) 1.75 V
- (d) 2.0 V

47. The standard emf of a galvanic cell involving cell reaction with $n = 2$ is found to be 0.295 V at 25°C. The equilibrium constant of the reaction would be (a) 1.0×10^{10} (b) 2.0×10^{11} (c) 4.0×10^{12}

(d) 1.0×10^2

[Given $F = 96500 \text{ (mol}^{-1}\text{)}$; $R = 8.314 \text{ JK}^{-1} \text{ mol}^{-1}$]

48. If $E^\circ \text{Fe}^{2+}/\text{Fe} = -0.441 \text{ V}$ and $E^\circ \text{Fe}^{2+}/\text{Fe}^{3+} = 0.771 \text{ V}$, the standard EMF of the reaction, $\text{Fe} + 2\text{Fe}^{3+} \rightarrow 3\text{Fe}^{2+}$ will be

- (a) 1.212 V
- (b) 0.111 V
- (c) 0.330 V
- (d) 1.653 V

49. Match the terms given in Column I with the units given in Column II. [NCERT

Column I

Column II

(a) Λ_m

(i) S cm^{-1}

(b) E_{Cell}

(ii) m^{-1}

(c) κ

(iii) $\text{S cm}^2 \text{mol}^{-1}$

Exemplar] (d) G^*

(iv) V

50. Match the terms given in Column I with the items given in Column II.

Column I

Column II

(a) Λ_m

(i) intensive property

(b) $E_{\text{Cell}}^{\ominus}$

(ii) depends on number of ions/volume

(c) κ

(iii) extensive property

(d) $\Delta_r G_{\text{Cell}}$

(iv) increases with dilution



Department of Chemistry & Research Centre

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Marklist

SL. NO.	CLASS NO.	NAME	MARKS
1	5501	SANJAY MENDRIC	15
2	5502	SIMMY JOSEPH	14
3	5503	PRAVEEN THOMSON	19
4	5504	MARY AISWARYA	13
5	5505	SAMEER SAGAR MP	14
6	5506	GALEELEA ROSE	14
7	5507	NEHA JALEEL	15
8	5508	ABHIRAMI JAYAN	14
9	5509	JAYKRISHNAN UNNIKRISHNAN	16
10	5510	DENEETTA JOHNSON	11
11	5511	AKSHAY ALAX SABU	13
12	5512	ELTON K PAUL	8
13	5513	ABHIRAMI M M	12
14	5514	SNEHA FRANCIS	13
15	5515	STEVE K FRANCIS	16
16	5516	MINHETH M ABDUL LATHEEF	14
17	5517	SHOJIN P JOSHI	9
18	5518	DIYA XAVIER	18
19	5519	SURAJ S	14
20	5520	ANISTAN JAMES	17

21	5521	MANISH SHAJI	7
22	5522	ANAKHA UTHAMAN	11
23	5523	TELNA MARY CLEETUS	21
24	5524	MARY ANLIYAN MT	16
25	5525	LIYA CJ	9
26	5526	HARISANTH KA	14
27	5527	MARIA JESNY KJ	15
28	5528	SARANYA SUKUMARAN A	9
29	5529	ANJALI S CHOO LACKAL	12
30	5530	REEMA ROCKEY	14



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DEPARTMENT OF COMMERCE & RESEARCH CENTRE

ENTRY LEVEL TEST (2017)

1. Who has been appointed as the new special secretary in the Ministry of Ayush?
[A] Ravi Kant [B] Rajesh Kotecha [C] Sajal Chakravarty [D] Parameswaran Iyer
2. Who has been appointed as the new economic affairs secretary in the Union Finance Ministry?
[A] N K Sinha [B] Ajay Kumar Shalla [C] Subhash C Garg [D] Kirti Singh
3. Which union minister has launched GST Rates Finder app to verify the accurate tax rate under the GST regime?
[A] Ravi Shankar Prasad [B] Narendra Modi [C] Arun Jaitley [D] M Venkaiah Naidu
4. The best indicator of economic development of any country is ? Agriculture
[B] Transport [C] Gross production [D] Per capita income
5. First five year plan in India was from
[A] 1947 – 1952 [B] 1949 – 1954 [C] 1950 – 1955 [D] 1951 – 1956
6. What is NSSO ?
[A] National Social Science Organisation [B] National Social Study Organisation
[C] National Security Science Organisation [D] National Sample Survey Organisation
7. Mahila Samridhi Yojana started in ?
[A] 1992 [B] 1993 [C] 1994 [D] 1995
8. Which bank on June 30, 2017 launched its image debit card?
[A] ICICI bank [B] Karnataka bank [C] Yes bank [D] Bank of baroda
9. Which country was the first one to implement the Goods and Services Tax (GST)?
[A] USA [B] China [C] Malaysia [D] France
10. Banking regulation act was passed in
[A] 1947 [B] 1948 [C] 1949 [D] 1950
11. Gilt-edged market means:
[A] market of government securities [B] bullion market
[C] market dealing with metals [D] market dealing with exports
12. Establishment expenses of a new machine will be debited to–

[A] Expenses Account [B] Profit and Loss Account [C] Machinery Account [D] None of the above

13. FEMA stands for–

[A] Foreign Exchange Management Act [B] Funds Exchange Management Act
[C] Finance Enhancement Monetary Act [D] Future Exchange Management Act

14. Which bank launched the world's first automated teller machine (ATM)? [A] HSBC [B] Citibank [C] Standard chartered [D] Barclays

15. 'VAT' is imposed-

[A] Directly on consumer
[B] On first stage of production
[C] On all stages between production and sale
[D] On final stage of production

16. Who is the father of Scientific Management?

[A] Mary Parker Follet (B) Henry Fayol (C) F W Taylor (D) Koontz

17. "Economics is the Science of Wealth". Who gave this definition?

(A) J K Mehta (B) Marshall (C) Adam Smith (D) Robbins

18. Which theory is generally included under Micro economics?

(A) Price Theory (B) Income Theory (C) Employment Theory (D) None of the above

19. Utility means-

(A) Power to satisfy a want (B) Usefulness (C) Willingness of a person (D) Harmfulness

20. Heavy expenditure to introduce a new product is an example of:

(A) Revenue expenditure (B) Deferred revenue expenditure (C) Capital expenditure (D) None of the above

21. Goodwill is ----

(A) A floating asset (B) A wasting asset (C) A fictitious Asset (D) An intangible asset

22. World Consumers Day is Observed on -----

(a) March 15 (b) March 25 (c) April 15 (d) September 24

23. Assets = Liabilities is related to -----

(A) Dual concept (B) Cost concept (C) Going concern (D) All of these

24. Cash book is a form of -----

(A) Trial balance (B) Ledger (C) Journal (D) All of the above

25. Indian Partnership Act was passed in the year ----

(A) 1956 (B) 1936 (C) 1932 (D) 1930

26. In which of the following situations will the Partnership be dissolved?

(A) On the mistake of partner (B) On the eve of partners illness (C) When firm running in losses (D) On the eve of partners death

27. ----- is the apex Bank for agriculture credit

(A) NABARD (B) SIDBI (C) ICICI (D) RBI

28. The sum of two numbers is 52 and their difference is 2. The numbers are

(A) 17 and 15 (B) 12 and 10 (C) 27 and 25 (D) None of these

29. Vikas & Co. Account is a -----

(A) Personal Account (B) Nominal Account (C) Real Account (D) None of the above

30. Debit the Receiver and credit the Giver is the rule of -----

(A) Nominal A/c (B) Personal A/c (C) Real A/c (D) None of these



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-----DEPARTMENT OF COMMERCE & RESEARCH CENTRE -----

RESULT OF ENTRY LEVEL TEST

B. COM TAXATION REGULAR (2017 ADMISSION)

PERCENTAGE OF SCORE	NO. OF STUDENTS
ABOVE 90 %	N
	1
	1
	2
	1
	3
LESS THAN	2
TOTA	6



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-----DEPARTMENT OF COMMERCE & RESEARCH CENTRE -----

MARK OF ENTRY LEVEL TEST FIRST B.COM TAXATION (2017)

CLAS S NO.	NAME	MARKS (OUT OF 30)
1701	ASHWIN K SANTHOSH	12
1702	RESHMA OS	11
1703	ARGUS AP	21
1704	NANDANA RAJEEV	18
1705	FASEELA P S	21
1706	VAISHNAV K R	17
1707	HADIA LIZEBATH JASON	19
1708	ANNA BLAIZE	16
1709	ASHLIN K A	18
1710	RIA XAVIER	22
1711	ATHIRA RAJENDRAN	18
1712	ELIZ POOJA JOSEPH	18
1713	MARY TESSY	26
1714	CORREYA	20
1715	NELEENA BENNY	15
1716	BRINLA MARIA BABU	21
1717	ADHEESHYA MARY	18
1718	MARY SHEREENA	17
1719	SANIYA THERESA E M	19
1720	ANU PETER	22
1721	KRISHNA S KUMAR	22
1722	ADHUL M V	22
1723	APARNA SUNILKUMAR	17
1724	QARYA MANI	20
1725	ANU AUGUSTINE	16
1726	NEBIN JACOB	25
1728	DIVAN R	26
1728	MARY LIYA K L	18
1729	ALEENA JOHNSON	21



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DEPARTMENT OF ENGLISH

ENTRY LEVEL TEST (2017)

Answer the following questions. Each Question carries 1 Mark.

1. Who is the father of English poetry?
2. Who is the father of English criticism?
3. Who is the most famous playwright of England?
4. Beowulf is a poem written in ___ language?
5. Canterbury Tales is written in which language?
6. ___ is the father of Modern English?
7. How many pure vowel sounds are there in English?
8. The sound /l/ is a _____
9. Bildungsroman is also known as _____
10. What is meter in poetry ?
11. Who among the following is not a part of the "four pillars" of the novel ?
12. Prosa Oratio means
13. Wuthering Heights is an example of
14. _____ is an 18th-century literary genre which celebrates the emotional and intellectual concepts of sentiment, sentimentalism, and sensibility
15. Which year marked the Restoration period in England
16. Which among the following is not true regarding the Glorious Revolution that took place in 1688 ?
17. Great Britain is composed of ---- 1. Scotland 2. Northern Ireland 3. Wales 4. England
18. Patron Saint of Scotland is –
19. The Red Dragon could be seen in the flag of which country ?
20. Who wrote the novel Les Miserables ?
21. Epistolary novel means a novel of
22. Canterbury Tales is a work by
23. Which among the following is a work written during the Anglo Saxon period
24. For Aristotle, which among the following elements was least important when it comes to drama ?
25. Norman conquest took place in the year
26. Which dynasty took over England after the Tudor dynasty ?
27. Salman Rushdie's "Midnight's Children" is an example of
28. Copying a research article without proper citation of that work is tantamount to _____
29. Which among the following is a humanities discipline ?
30. The first modern novel - _____

2. Answer the following questions in 50-100 words:

Why is English called an unphonetic language?? Give suitable examples (5)

Write a paragraph on English language and literature? (5)

What are the circumstances and events that led to the development of novels as a literary genre? (5) Explain the differences between Natural Science, Social Science and Humanities with suitable examples (5)

3. Answer the following question in 300 words.

To see a World in a Grain of Sand / And a Heaven in a Wild Flower / Hold Infinity in the palm of your hand / And Eternity in an hour / A Robin Red breast in a Cage / Puts all Heaven in a Rage / A Dove house filled with Doves & Pigeons / Shudders Hell the' all its regions / A dog starvd at his

Masters Gate / Predicts the ruin of the State / A Horse misusd upon the Road / Calls to Heaven for Human blood / Each outcry of the hunted Hare / A fibre from the Brain does tear// - Critically appreciate the above poem. (10)



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DEPARTMENT OF ENGLISH

SL. NO.	CLASS NO.	NAME	MARKS
1	1401	KARTHIK JAYAPRAKASH	11.5
2	1402	CHAITHANYA SANAL	14.5
3	1403	HANSA N S	5.5
4	1404	ANN MARIE FRANKLIN	16.5
5	1405	BLEIZY JOSEY	9
6	1406	EVAN EMDOR SYNGKON	10.5
7	1407	CHRISTO JACKSON	13
8	1408	ARYA C S	6.5
9	1409	SRUTHY LAXMI S PRABHU	16
10	1410	FATHIMA K I	6
11	1411	ENZA C S	11
12	1412	ELSA HARITHA JACOB	9
13	1413	NAYANA MOHAN	11
14	1414	MAHSOOMA A M	7.5
15	1415	NIKHIL XAVIER	14

16	1416	SONA SHAJAN	9
17	1417	MARTINA TERESA PJ	11
18	1418	NIKHIL RAISON	11.5
19	1420	KIRAN MARIYA BENNY	14
20	1421	DEVIKA DINAKARAN	13
21	1422	FELICITA K R	15
22	1423	AGNA PHILIP	12
23	1424	ANN SHILPA PA	10.5
24	1425	ASWITHA BHATT	9
25	1427	RESHMA P S	9
26	1428	SUSMITHA SABU	11
27	1429	MARIA NEENU JOY	10
28	1430	ALEX FRANCIS	18
29	1431	HRITHIK P S	11



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DEPARTMENT OF ENGLISH

MA ENGLISH LITERATURE

ENTRY LEVEL TEST (2017-2019)

1. Write an appreciation for the following lines; (1*10=10 marks)

In Xanadu did Kubla Khan

A stately pleasure-dome decree:
Where Alph, the sacred river, ran
Through caverns measureless to
man Down to a sunless sea.

So twice five miles of fertile ground
With walls and towers were girdled round;
And there were gardens bright with sinuous rills,
Where blossomed many
an
incense-bearing tree;
And here were forests
ancient as the hills,
Enfolding sunny spots
of greenery.

2. Given below is Van Gogh's Starry Night; Write a narrative inspired by the first emotion evoked by the picture: (1*20=20 marks)



3. Read the following poem and share your opinion on the message conveyed by the poem – (1 x 10 = 10 Marks)

I was first to realize that which rises must fall inevitably. Like light like dark like you I was first to know.

Obedying you or disobeying means the same. I was first to know.

I was first to touch

the tree of knowledge first to bite the red apple. I was first, first– first to distinguish between modesty and immodesty– by raising a wall with a fig leaf I changed things totally.

I was first. I was first pleasure, my body consoled the first sorrow. I was first to see your face of a child. Amidst grief and joy I was first. I first knew sorrow and pleasure, good and evil, made life so uncommon.

I was first to break the golden shackles of luxurious pleasure. I was never a puppet to dance to your tune

like meek Adam.

I was rebellion first

on your earth.

Listen, love, yes, my slave, I was the first rebel– banished from paradise, exiled. I learned that human life was greater than paradise. I was first to know.

(“Eve Speaks to God” – Kabita Sinha)

4. Write a short appreciation essay on your favorite song. (1 x 10 = 10 marks)



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DEPARTMENT OF ENGLISH

ENTRY LEVEL TEST ANALYSIS

SL. NO.	CLASS NO	NAME	MARKS
1	9901	MANJU AMARNATH	40
2	9903	NAMITA LESLIE	42
3	9907	ELSA THOMAS	40
4	9908	EVELIN MARY RAJ	45
5	9909	DIMINA DSILVA	45
6	9910	ADHEENA JOSE	43
7	9911	ASWIN SHARON RODRIGUES	45
8	9912	ANUSHA DEVI K.T	42
9	9913	ANITTA HARSHAL	44
10	9916	HUSNA A.H	43
11	9920	DEVIKA V	45
12	9923	GANGA DAS	42
13	9924	NEENU P.R	42
14	9925	BINIL SEBASTIAN P S	45
15	9926	FARSEENA F	43

DEPARTMENT OF LOGISTICS
ENTRY LEVEL TEST (2017-2020)
ST. ALBERT'S COLLEGE (AUTONOMOUS), ERNAKULAM

Total Marks: 20

Should attempt all questions. Each question carries 1 mark

1. Time that a company takes to create and produce a new product is classified as .
 - a. Management factor
 - b. Time factor**
 - c. Customer factor
 - d. Chain factor
2. What are the guides to decision making?
 - a. Rules
 - b. Procedures
 - c. Goals
 - d. Policies**
3. Finding ways to reduce _____ is a key responsibility of management.
 - a. Dissatisfaction
 - b. Uncertainty**
 - c. Stress
 - d. None of the above
4. _____ is the harmonising or synchronising of individual efforts with the purpose of achieving group goals.
 - a. Coordination**
 - b. Control
 - c. Decision making
 - d. delegation
5. It is of paramount importance that one needs to construct a _____ sentence in the day to day affairs.
 - a. Wrong
 - b. Correct**
 - c. Incorrect
 - d. Night
6. Accounting, finance, marketing and human resources are known as _____.
 - a. Executive Information Systems
- 7. Functional Business areas**
 - a. Geographic information system
 - b. Local Information system
 - c. Nations that have major economic expansion attract
 - d. Imports
- 8. Direct foreign investment**
 - a. Exports
 - b. privatization
9. Which of the following is a correct dateline for a business letter.
 - a. August, 20, 1998
 - b. 20-Aug-98
 - c. August 20, 1998**
 - d. Aug 20 1998
10. What is the basic property of a service which makes it different from a product
 - a. Shape
 - b. Size
 - c. Very expensive
 - d. Intangibility**

11. _____ is the task of buying goods of the right quality, in the right quantities, at the right time and at the right place.
- Supplying
 - Purchasing**
 - Scrutinizing
 - None of the above
12. An error in computer is called _____
- Bug**
 - Debug
 - Cursor
 - ICON
13. Any data or instruction entered into the memory of a computer is considered as _____
- Storage
 - Output
 - Input**
 - Information
14. Find the odd one.
- Tortoise
 - Duck
 - Snake
 - Crow
 - Whale**
15. Find the odd one
- Housefly
 - Spider**
 - Mosquito
 - Butterfly
 - Cockroach
16. Please, don't laugh those beggars.
- For
 - Against
 - At**
 - From
17. I listened, but I had no idea what he was _____ about.
- Saying
 - Talking**
 - Telling
 - Discussing
18. In a certain code FIRE is coded as DGPC. What will be the last letter of the coded word for SHOT?
- Q
 - R**
 - S
 - P

In each of the following questions, four possible answers are given. Find out the most suitable answer.

19. Which is the best statement to achieve success in life?
- The person should be well educated
 - The person should be rich and prosperous
 - The person should be sincere and hardworking**
 - The person should be honest

20. The prevention of accidents makes it necessary not only that safety devices be used to guard exposed machinery but also that mechanics be instructed in safety rules which they must follow for their own protection, and that lighting in the plant be adequate. The passage that best supports the statement that industrial accidents:
- a. Are always avoidable
 - b. May be due to ignorance
 - c. Cannot be entirely overcome
 - d. *Can be eliminated with the help of safety rules***
 - e. Usually result from inadequate machinery.
21. Who was known as the Iron man of India?
- a. Govind Ballabh Pant
 - b. Jawaharlal Nehru
 - c. Subhash Chandra Bose
 - d. *Sardar Vallabhai Patel***

MARK LIST

SL NO	CLASS NUMBER	NAME	MARK(/20)
1	8601	Praise Bejoy Varghese	18
2	8602	Febi Justin.	15
3	8603	Joel John C.J.	17
4	8604	K.F. Allen Abraham	14
5	8605	Athul Joseph V J.	9
6	8606	Joel Pious	15
7	8607	P J Joyal Johnson	12
8	8608	Edreena Youstin.	16
9	8609	Sreelakshmi Pradeep	15
10	8610	Anju K U	113
11	8611	Alga Margreat	16
12	8612	Sineesh Baiju	15
13	8613	Diljeet Shine	13
14	8614	Nayana R	16
15	8615	Monish. N. Vinod	14
16	8616	Nikhil Varghese	13
17	8617	Merin T Felix	15

18	8618	Abhijith K R	10
19	8619	Maria Shynold	14
20	8620	Mohammed Hadi Mubarak	10
21	8621	Ann Candida Gaulbert	13
22	8622	Elen T.D	11
23	8623	Sanju Joseph	18
24	8624	Naveen P P	16
25	8625	Jude Ben	17
26	8626	I S Rahul Sanjeev	12
27	8627	Edwin Ambrose	17
28	8628	John Mathew	16
29	8629	Arun Cleetus	17
30	8630	Riya Rocky	18
31	8631	Darren Mendez	15
32	8632	Kiran Das P.Y	11
33	8633	Joy Joseph	9
34	8634	Sukhamrit Singh	9
35	8635	Gladwin J Thomas	18
36	8636	Treesa Reshma C.G	10

37	8637	M Vinayadas	14
38	8638	Aadhya S Nair	10
39	8639	Karishma K Sunny	13
40	8640	John Shion	12
41	8642	Mariya Cresenta	18
42	8643	Ajay Thomas	16
43	8645	Junu Joe Antony	17
44	8646	Hormis Hebin Francis	15
45	8647	Nibin Manuel	11
46	8648	Mary Shifna Vincent	15
47	8649	Ashik Justin	15
48	8650	Krishnaveni	11
49	8651	Ashley Peter K.F	9
50	8652	Vijay Jacob	5
51	8653	Evita Twinkle Andrews	8
52	8654	Ashbin Mani	8
53	8655	Irfan Muhammed V N	14
54	8656	Keerthana Shajan	16
55	8657	Rohith Krishnan	17

56	8658	Kannan T U	11
57	8659	Roy Joseph	17
58	8660	Hardin Rixon	18
59	8661	Dinesh Mahadevan P.	19
60	8662	Neeraj V	16



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DEPARTMENT OF RENEWABLE ENERGY

ENTRY LEVEL TEST

- The rate of a chemical reaction may be influenced by
 - the concentration of the reactants
 - the physical nature of the reactants
 - the presence of a catalyst
 - all of the above
- Which of the following is not an allotrope of carbon
 - Diamond
 - Graphite
 - C₆₀
 - C₂₂
- The most electronegative element among the following is
 - Sodium
 - Bromine
 - Fluorine,
 - Oxygen
- The gas present in the stratosphere which filters out some of the sun's ultraviolet light and provides an effective shield against radiation damage to living things is a) Oxygen (b) Ozone (c) Helium (d) Methane
- The primary component of natural gas is
 - Butane
 - Methane.
 - Propane
 - Ethane
- Which one is Avogadro number?
 - 6.023×10^{23}
 - 6.023×10^{19}
 - 1.56×10^{19}
 - 62.03×10^{19}
- The graphite rods in the nuclear reactor
 - Produce neutrons
 - React with fuel "U" to release energy
 - Convert fast moving neutrons in to thermal neutrons
 - Undergo combustion which triggers the nuclear reactions.
- Process in which substance gains electrons is called
 - Oxidation
 - Hydrogenation
 - Sublimation
 - Reduction
- An electrolytic cell uses electrical energy to drive
 - chemical reaction
 - physical reaction
 -

- d) no reaction
 - e) none of above
10. A physical process that occurs by itself are called
- a) Thermodynamic process
 - b) Spontaneous process
 - c) Non spontaneous process
 - d) Fast process.



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DEPARTMENT OF RENEWABLE ENERGY

1. Which of the following is a nonrenewable resource?

- (a) Coal (b) Forests (c) Water (d) Wildlife

2. Which of the following is a disadvantage of most renewable energy sources?

- (a) Highly polluting (b) High waste disposal cost
(c) Unreliable supply (d) High running cost

3. Photovoltaic energy is the conversion of sunlight into:

- (a) Chemical energy (b) Biogas (c) Electricity (d) Geothermal energy

4. Horizontal axis and vertical axis are the types of:

- (a) Nuclear reactor (b) Wind mills (c) Biogas reactor (d) Solar cell

5. Which among the following is not an adverse environmental impact of tidal power generation?

- (a) Interference with spawning and migration of fish
(b) Pollution and health hazard in the estuary due to blockage of flow of polluted water into the sea
(c) Navigational hazard
(d) None of the above

6. A fuel cell, in order to produce electricity, burns:

- (a) Helium (b) Nitrogen (c) Hydrogen (d) None of the above

7. Both power and manure is provided by:

- (a) Nuclear plants (b) Thermal plants (c) Biogas plants (d) Hydroelectric plant

8. The outermost layer of the earth is:

- (a) Magma (b) Mantle (c) Crust (d) Solid iron core

9. Common energy source in Indian villages is:

- (a) Electricity (b) Coal (c) Sun (d) Wood and animal dung

10. The one thing that is common to all fossil fuels is that they:

- (a) Were originally formed in marine environment
(b) Contain carbon
(c) Have undergone the same set of geological processes during their formation (d) Represent the remains of one living organisms

11. Lignite, bituminous and anthracite are different ranks of:

- (a) Nuclear fuel (b) Coal (c) Natural gas (d) Biogas

12. Crude oil is:

- (a) Colourless (b) Odourless (c) Smelly yellow to black liquid (d) Odourless yellow to black liquid

13. BTU is measurement of:

(a) Volume (b) Area (c) Heat content (d) Temperature

14-The following is (are) the visible sign(s) of the large amount of heat lying in the earth's interior.

(A) Volcanoes (B) Geysers (C) Hot springs (D) All of the above

15-The molten rock within the earth is

(A) Igneous (B) Magma (C) Sedimentary (D) Metamorphic



PHYSICS

- Who discovered Atom ?
 - Madam Curie
 - James Chadwick
 - Rutherford
 - John Dalton
- Radiocarbon is produced in the atmosphere as a result of
 - collision between fast neutrons and nitrogen nuclei present in the atmosphere
 - action of ultraviolet light from the sun on atmospheric oxygen
 - action of solar radiations particularly cosmic rays on carbon dioxide present in the atmosphere
 - lightning discharge in atmosphere
- Light year is a unit of
 - Time
 - Light
 - Distance
 - Intensity of light
- Newton is used to measure
 - Speed
 - Volume
 - Force
 - Area
- What is the unit of Work and Energy?
 - Joule
 - kilogram
 - ampere
 - meter
- The rotational effect of a force on a body about an axis of rotation is described in terms of
 - Centre of gravity
 - Centripetal force
 - Centrifugal force
 - Moment of force
- Energy possessed by a body in motion is called
 - Kinetic Energy
 - Potential Energy
 - Both of Above
 - None of Above
- Which of the following is an electromagnetic wave ?
 - Cathode rays
 - Sound wave
 - Ultrasonic wave
 - Infrared rays
- What is the refractive index?*
 - It is defined as the ratio of speed of light in the medium to the speed of light in vacuum.
 - It is defined as the ratio of speed of light in vacuum to the speed of light in the medium .
 - It is defined as the product of the speed of light in the medium and in vacuum.
 - None of above
- The nuclear reaction in which a heavy nucleus splits into two nuclei of nearly equal mass is called
 - Nuclear fusion
 - Nuclear fission
 - Nuclear reaction
 - Fast breeding



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DEPARTMENT OF RENEWABLE ENERGY

RESULT OF ENTRY LEVEL TEST (JULY 2017)

SL. NO.	CLASS NO.	NAME OF THE STUDENT	MARKS (OUT OF 35)
1	7001	SAHAL M.S	13
2	7002	AFSAL KASIM	23
3	7003	VISHNU SAJAN	25
4	7004	HITESH JOSE	14
5	7005	HARRIS JOSEPH	14
6	7006	NITHIN RAJ	18
7	7007	NIKHIL P SOMAN	20
8	7008	CRIS ALBERT	26
9	7009	HARI S NADH	24
10	7010	VISHNU S BABU	30
11	7011	JOEL CHRIS	12
12	7012	SHIYA JOHNSON	20
13	7013	PRAVEEN T.P	18
14	7014	ARAVIND BALACHANDRAN NAIR	32
15	7015	ALEN JOE	29
16	7016	FAIBA K.J	32
17	7017	ARUNIMA PARVATHY	18

18	7019	VISHNU SAM	27
19	7020	RONY JOY	30
20	7021	CALVIN VIVERA	12
21	7022	JOYEL JOHN	18
22	7023	LENNON ANTONY	10
23	7024	AKASH N.J	30
24	7025	MRUDHULA C.J	21
25	7026	HRIDHYA SHIBU	28
26	7027	SACHIN V.S	27
27	7029	ANU JACOB	19
28	7030	SANJU SEBASTIAN	24
29	7031	ABIN ANTONY	26
30	7032	FABIEN ANTONY	10
31	7033	ANURAJ V.J	25
32	7034	ALWYN ANTONY	16
33	7035	P.M UNNIKRISHNAN	12
34	7036	JOSEPH CHRISTY	27
35	7037	NEWIL A PALLIKAVAYALIL	24
36	7038	ARYA GANGADHARAN	30
37	7039	CICILIA THOMAS	22
38	7040	DEESHMA VARGHESE	20
39	7041	SONA JOSEPH	23
40	7043	AJITH ANTONY	12

41	7044	EMMANUEL VYSHAKH	20
42	7045	SIDHARTH P	29
43	7046	AKSHAY KUMAR	26
44	7048	ANSTON MOSES	32
45	7049	MUHSENA T.M	25
46	7050	MUHAMMED FARIZ	27
47	7051	RONY ROY	18
48	7052	CHRISTY MARTIN	29
49	7053	DANIEL GEORGE JOHN	33
50	7054	NEETHU V T	23
51	7056	MELVIN K LAWRENCE	7
52	7058	VYSHNA K	26
53	7061	NIKHIL JOSEPH	18

DEPARTMENT OF SPACE SCIENCE AND TECHNOLOGY

ENTRY LEVEL TEST (2017-2020)

ST. ALBERT'S COLLEGE (AUTONOMOUS), ERNAKULAM



ST. ALBERT'S COLLEGE (AUTONOMOUS), KOCHI
DEPARTMENT OF SPACE SCIENCE AND TECHNOLOGY
PG ENTRANCE EXAMINATION – 2017

Time : 1 Hour 30 Minutes

Maximum Marks : 50

INSTRUCTIONS TO CANDIDATES

1. You are provided with a Test Booklet and an Answer sheet to mark your responses. Read carefully all the instructions given before answering.
2. Write your Name and Application number on the space provided in the Answer sheet.
3. The paper consists of 50 objective type questions. All questions carry equal marks.
4. Each question has four alternative responses marked A, B, C and D and you have to put a ✓ mark against the correct option by using a Ball Point Pen (blue/black) only. Use of any other symbol would be considered invalid. Answering more than one option will also be considered invalid.
5. Each correct answer carries 1 mark and 3 wrong answers carry 1 minus mark.
6. Space for rough work is provided at the end of this Test booklet.
7. You should return the Test booklet and Answer sheet to the invigilator before leaving the examination hall.
8. Use of electronic devices (calculators, mobile phones etc.) are strictly prohibited.

1. How many layers does the atmosphere of our Earth has in general
A) 3 B) 4 C) 5 D) 6
2. What is the distance between earth and sun?
A) 1AU B) 0.5AU C) 2AU D) 3AU
3. What happens to atmospheric pressure as height increases?
A) Increases B) Remains unchanged C) Decreases D) None of these
4. Our Earth has a:
I) Liquid Iron core
II) Solid Nickel core
III) Solid sphere of Iron-Nickel alloy
IV) Liquid layer made of Iron and Nickel
Select the correct answer using the codes given below:
A) I only B) I and II C) III only D) IV only
5. Our atmosphere is mostly composed of
A) Nitrogen B) Oxygen C) Water vapour D) Carbon dioxide
6. Earth's atmosphere is divided into layers on the basis of:
A) Altitude B) Pressure C) Temperature D) Energy
7. Ozone layer is found in the
A) Troposphere B) Stratosphere C) Mesosphere D) Thermosphere
8. One light year is approximately equal to
A) 9.4 trillion km B) 9.4 billion km C) 9.4 million km D) 0.94 trillion km
9. Which among the following gas is most responsible for global warming?
A) Carbon dioxide B) Nitrogen C) Methane D) Carbon monoxide
10. The first Indian satellite was launched into space in 1975. What was it called?
A) Rohini B) Insat-1A C) IRS-1A D) Aryabhata
11. Which of the following are unary operators in C?
I. ! II. sizeof III. -
Select the correct answer using the codes given below:
A) I, II B) I, III C) II, IV D) I, II, III
12. _____ controls the way in which the computer system functions and provides a means by which users can interact with the computer.
A) The operating system B) The motherboard
C) The platform D) Application software
13. The term 'Pentium' is related to
A) DVD B) Hard Disk C) Microprocessor D) Mouse
14. One atomic mass unit (amu) is equal to
A) 1.66×10^{-20} g B) 1.66×10^{-22} g C) 1.66×10^{-24} g D) 1.66×10^{-26} g
15. The second order differential equation whose solution is $y = Ae^x + Be^{-x}$ is
A) $\frac{d^2y}{dx^2} - x^2y = 0$ B) $\frac{d^2y}{dx^2} + x^2y = 0$
C) $\frac{d^2y}{dx^2} - y = 0$ D) $\frac{d^2y}{dx^2} + y = 0$
16. If $\vec{a} \times \vec{b} = 0$, then which one of the following is true?
A) $\vec{a} = 0$ B) $\vec{b} = 0$ C) \vec{a} and \vec{b} are parallel D) \vec{a} and \vec{b} are perpendicular
17. In Young's double slit experiment the separation between the slits is halved and the distance between the slits and the screen is doubled. The fringe width is
A) Unchanged B) Halved C) Doubled D) Quadrupled

18. The angle of incidence at which reflected light is totally polarised for reflection from air to glass (of refractive index n) is,

- A) $\tan^{-1} \frac{1}{n}$ B) $\tan^{-1} n$ C) $\sin^{-1} \frac{1}{n}$ D) $\sin^{-1} n$

19. A satellite S is moving in an elliptical orbit around the earth. The mass of the satellite is very small compared to the mass of the earth.

- A) The acceleration of S is always directed towards the centre of the earth.
 B) The angular momentum of S about the centre of the earth changes in direction, but its magnitude remains constant.
 C) The total mechanical energy of S varies periodically with time.
 D) The linear momentum of S remains constant in magnitude

20. The efficiency of a Carnot engine using an ideal gas as working substance is

- A) $\eta = \frac{T_1 - T_2}{T_1}$ B) $\eta = \frac{T_1}{T_1 - T_2}$ C) $\eta = T_1(T_1 - T_2)$ D) $\eta = T_2(T_1 - T_2)$

21. The number of degrees of freedom of translatory and rotatory motion of a diatomic molecule is

- A) 3 B) 4 C) 5 D) 6

22. The radiation emitted by a black body has a maximum at 1.2 microns in the Wein's constant is 0.3 cm degree. What is the temperature of this black body?

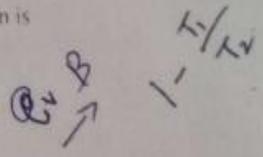
- A) 4000K B) 5000K C) 4500K D) 2500K

23. When applied to solar radiation Planck's law reduces to Wein's law in the

- A) Ultraviolet region B) Infrared region C) Microwave region D) Visible region

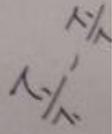
24. An electron with charge Q coulomb moves with a velocity v m/s in the same direction as magnetic field of B Weber/m². The force exerted by the field on the electron is

- A) BQv Newton in the direction of magnetic field
 B) BQv dyne in the direction of magnetic field
 C) BQv Newton at right angles to the direction of magnetic field
 D) Zero



25. Which of the following statements explains Kirchoff's law completely?

- I) The algebraic sum of the currents at any junction is zero.
 II) The algebraic sum of the ratio of current and resistance in each arm is zero.
 III) The algebraic sum of the product of current and resistance in each arm is zero.
 IV) The algebraic sum of the product of current and resistance in a closed loop equals the total emf available in that loop.



Select the correct answer using the codes given below:

- A) I and III B) II and IV C) I and IV D) II and III

26. Given B =magnetic induction, R =radius of the path, the energy of a charged particle coming out of a cyclotron is given by

- A) $\frac{qB^2R^2}{2m}$ B) $\frac{q^2BR^2}{2m}$ C) $\frac{q^2B^2R^2}{2m}$ D) $\frac{q^2B^2R}{2m}$

27. The fact that was NOT inferred from the Rutherford model of atom was that the

- A) Nucleus occupied a small space inside the atom.
 B) Nucleus consisted of protons and neutrons.
 C) Electrons were outside the nucleus of the atom
 D) Nucleus was dense in nature

28. Bragg spacing between successive [111] planes in a simple cubic crystal with lattice constant a is

- A) $A)3a$ B) $\sqrt{3}a$ C) $a/3$ D) $a/\sqrt{3}$

29. De Broglie hypothesized that the linear momentum and wavelength of a free massive particle are related by which of the following constants?

- A) Planck's constant
 B) Boltzmann's constant
 C) Rydberg constant
 D) The speed of light

30. An atom has filled $n = 1$ and $n = 2$ levels. How many electrons does the atom have?

- A) 2
 B) 6
 C) 8
 D) 10

31. The root-mean-square speed of molecules of mass m in an ideal gas at temperature T is

- A) 0
 B) $\sqrt{\frac{2kT}{m}}$
 C) $\sqrt{\frac{3kT}{m}}$
 D) $\sqrt{\frac{5kT}{\pi m}}$

32. What percentage of the irregular surface of the earth is covered with water?

- A) 50%
 B) 60%
 C) 70%
 D) 80%

33. In the Bohr model of the hydrogen atom, the linear momentum of the electron at radius r_n is given by which of the following? (n is the principal quantum number)

- A) $n\hbar$
 B) $n\pi r_n \hbar$
 C) $\frac{n\hbar}{r_n}$
 D) $\frac{n^2 \hbar}{r_n}$

34. A thermodynamic system initially at absolute temperature T_1 , contains a mass m of water with specific heat capacity c . Heat is added until the temperature rises to T_2 . The change in entropy of the water is,

- A) 0
 B) $T_2 - T_1$
 C) $mc(T_2 - T_1)$
 D) $mc \ln \frac{T_2}{T_1}$

35. In the diamond structure of elemental carbon, the nearest neighbours of each C atom lie at the corners of a

- A) Square
 B) Hexagon
 C) Cube
 D) Tetrahedron

36. X-rays of wavelength $\lambda = 250 \text{ nm}$ are incident on the face of a crystal at an angle θ , measured from the crystal surface. The smallest angle that yields an intense reflected beam is $\theta = 14.5^\circ$. Which of the following gives the value of the interplanar spacing d ? ($\sin 14.5^\circ = \frac{1}{4}$)

- A) 0.125 nm
 B) 0.500 nm
 C) 0.250 nm
 D) 0.625 nm

37. Astronomers observe two separate solar systems, each consisting of a planet orbiting a sun. The two orbits are circular and have the same radius R . It is determined that the planets have the same angular momentum L about their suns, and that the orbital periods are in the ratio of three to one i.e., $T_1 = 3T_2$. The ratio $\frac{m_1}{m_2}$ of the masses of the two planets is

- A) 1
 B) $\sqrt{3}$
 C) 2
 D) 3

38. If the Sun were suddenly replaced by a black hole of same mass, it would have a Schwarzschild radius of 3,000 m. What effect, if any, would this change have on the orbits of the planets?

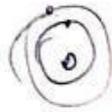
- A) The orbits would remain unchanged
 B) The planets would move in spiral orbits
 C) The planets would oscillate about their former elliptical orbits
 D) The orbits would precess much more rapidly

39. A resistor in a circuit dissipates energy at a rate of 1 W. If the voltage across the resistor is doubled, what will be the new rate of energy dissipation?

- A) 0.5 W
 B) 1 W
 C) 2 W
 D) 4 W

40. A simple pendulum of length l is suspended from the ceiling of an elevator that is accelerating upward with constant acceleration a . For small oscillations, the period T of the pendulum is

- A) $T = 2\pi \sqrt{\frac{l}{g}}$
 B) $T = 2\pi \sqrt{\frac{l}{g+a}}$
 C) $T = 2\pi \sqrt{\frac{l}{g-a}}$
 D) $T = 2\pi \sqrt{\frac{l}{g(a+a)}}$



Handwritten notes on the right side of the page:

- $\frac{1}{m} = 3m$
- $\frac{1}{T_1} = 3 \frac{1}{T_2}$
- $\frac{1}{T_1} = \frac{1}{3T_2}$
- $\frac{1}{T_1} = \frac{1}{3T_2}$
- $\frac{1}{T_1} = \frac{1}{3T_2}$
- $\frac{1}{T_1} = \frac{1}{3T_2}$

MARK LIST

SI No	CLASS NO	NAME	MARK(/50)
1.	3101	AARATHY P	19
2.	3102	MEENU MICHAEL	20
3.	3103	SHILPA CR	31
4.	3104	ARATHI S	16
5.	3105	SUPARNA K S	14
6.	3106	VARSHA JAMES	34
7.	3107	NIKGHITHA J	22
8.	3108	MARYA T S	35
9.	3109	DHIVYA MURALI	28
10.	3110	GINO GEORGE	12
11.	3111	MERLYN CICY	20
12.	3112	PRADOSH KESHAV	36
13.	3113	ANN MARIYA	22
14.	3114	NIMMY M T	32



DEPARTMENT OF ZOOLOGY

St. Albert's College (Autonomous)

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ENTRY LEVEL TEST (2017-2018)

1. "RH" factor is a term that we hear in connection with
A. Space Travel B. Blood Transfusion C. Air Pressure D. Blood Pressure
2. The branch of science which shows inter-relationship of living organism and their environment is
A. Ecology B. Genetics C).Anatomy D. Cell Biology
3. Night blindness is caused by the deficiency of
A. Vitamin A B. Vitamin B C. Vitamin C D.Vitamin D
4. Our bones and teeth are generally made of –
A. Hydrolith B Chloropetite C Fluoropetite D Tricalcium phosphate
5. The process by which organisms with different evolutionary history evolve similar phenotypic adaptations in response to a common environmental challenge, is called
A. Natural selection B Convergent Evolution C. Non-random evolution D Adaptive radiation
6. The tendency of population to remain in genetic equilibrium may be disturbed by
A. Random mating B. Lack of migration C. Lack of mutations D. Lack of Random Mating
7. 25. Blood groups of father, mother, and their two children are given below. Work out the genotypes of each blood group.
A.Father-AB group B. Mother-O group D. Daughter – A group E. Son B-group
8. Wings of insects and birds are
A. analogous B. homologous C. vestigial D. atavism
9. Convergent evolution is shown by
A. homologous organ B. analogous organ C. vestigial organ D. All of these
10. S L Miller's closed flask contained.
A. CH₄ B. H₂ C. NH₃ and H₂O D. All of these
11. What was the world's first ever mammal to be successfully cloned from an adult cell? A. Sheep
B. Monkey C. Cow D. Calf
12. The discovery that led to the development of first antibiotic was made by A. Jenner B.
Pasteur C. Fleming D. Waksman

13. Pyorrhoea is a disease of the
14. When there is a decrease in the concentration of oxygen in the blood, the breathing rate
15. Which vitamin is provided by the Sunlight to the human body?
16. Paleontology is a branch of science that deals with the
17. Insulin controls the metabolism of
18. Of the blood groups A, B, AB and O, which one is transfused into a person whose blood group is A
19. Osteology is the study of
20. Oxygen in our blood is transported by a protein named
21. Outer covering of virus made up of protein is
22. Nymph is the name of young one of
23. Norepinephrine increases
24. Nucleus, the genetic material containing rounded body in each cell, was first discovered by
25. Most abundant tissues of our body are
26. Blood is formed in the human adult by the
27. Bile is secreted from---
28. Parathormone is secreted from----
29. Non-dividing cells are in the ----- stage of the cell cycle.
30. Larval form of Annelida is----



MARKLIST

Internal Quality Assurance Cell, St. Albert's College (AUTONOMOUS), Ernakulam					
ENTRY LEVEL TEST ANALYSIS					
DEPARTMENT					
No	Class No	Name	Marks for Entry level test (Out of 100)	than 75% between 40 below 40	
1	8402	Loshima K Loshias	30	●	
2	8403	T H DHIVYA	70	●	
3	8405	RIYA.K.R	40	●	
4	8406	Sreelakshmi m.u	70	●	
5	8407	GRACY ANU K F	80	●	
6	8408	KEVEN LIAM WILLIAM	90	●	
7	8409	Nima Maria	70	●	
8	8410	Silpa Mendez	78	●	
9	8411	DEVIKA M	86	●	
10	8413	Aleena shibu	74	●	
11	8414	ALPHA Mary Alex	86	●	
12	8415	DANIEL J THAICKAN	70	●	
13	8416	Telma Jacob	50	●	
14	8418	Maria Abraham	80	●	
15	8419	SIFANA BEEGUM	50	●	
16	8420	Hafeela A R	86	●	
17	8421	Anagha VM	70	●	
18	8422	Deleena Correya	76	●	
19	8423	Jonathan Edward de roza	80	●	
20	8426	Pooja Pradeep	70	●	
21	8427	Liya Joy	80	●	
22	8428	Annet jomol Joseph	75	●	
23	8429	Prinu k.s.	48	●	
24	8430	Shana Nazrin M N	76	●	
25	8431	LIFNA DAVID	86	●	
26	8432	Mary Reshma Sebastian	80	●	
27	8433	Rojan	68	●	
28	8434	Jobin	60	●	
29	8436	Kavya Gokul	70	●	
30	8437	KRISHNA GHOSH	56	●	
31	8438	Jiji Maria George	74	●	
32	8439	Glenda Justin	60	●	
33	8440	GOPIKA S KUMAR	60	●	
34	8441	Drishya. P. R	58	●	
35	8442	Nikhila George	62	●	
36	8443	Anjana K G	48	●	
37	8444	Angela Jaison	60	●	
38	8445	Isabel Iousious	52	●	
39	8446	Niveditha A Kinj	74	●	



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IM. SC ZOOLOGY

ENTRY LEVEL TEST (JULY 2017)

1. Immunoglobulin which crosses the placental barrier -
2. Bacterial cell wall is made up of -
3. Causative agent of tetanus –
4. Dengue fever is caused by –
5. Locomotory organ of bacteria –
6. Pacemaker of heart –
7. Functional unit of muscle –
8. Part of brain maintains equilibrium -
9. Rh incompatibility disease in newborns is _____
10. Rods are responsible for vision in _____
11. Gland known as biological clock _____
12. Cytoplasmic connections between cells are called _____
13. Scientific name of Crow -
14. Muscle fatigue is due to _____ accumulation.
15. Expand ICZN-
16. Five kingdom classification proposed by _____
17. Volvox shows _____ level of organisation
18. Connecting link between birds and reptiles _____
19. Golden Age of Fishes _____
20. Normal glucose level in blood _____
21. Most common helical conformation of DNA-
22. Expand HTML.
23. Overlapping zones between two biological communities _____
24. Species that occupy same habitat but are reproductively isolated is called as _____
25. Give an example for a search engine.
26. The practice of taking someone else's work or ideas and passing them off as one's own is known as _____
27. Middlemost value obtained when a set of values are arranged in a linear order is known as _____
28. The theory of natural selection proposed by _____
29. Father of Zoology _____
30. Trisomy of 21st chromosome leads to _____



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Internal Quality Assurance Cell, St. Albert's College (AUTONOMOUS), Ernakulam					
ENTRY LEVEL TEST ANALYSIS M.Sc Zoology (2017-2019 Batch)					
DEPARTMENT		Zoology			
No	Class No	Name	Marks for Entry level test (Out of 100)	than 75%	between 40 and below 40
1	9701	BABY NIVYA .K.V.	53.3	○	○
2	9702	BLESSY ALBERT	36.6	●	○
3	9703	ANNA SANJITHA	33.3	●	○
4	9704	ROLBI MERLIN	80	○	○
5	9705	TRESA BLESSY	50	○	○
6	9706	SHANON MARIYA DSILVA	33.3	●	○
7	9707	JOSNA ELIZABETH P J	30	●	○
8	9708	RESHMI P R	63.3	○	○
9	9709	AKHEENA THOMAS	36.6	●	○
10	9710	ANN MARY DAVIS	43.3	○	○
11	9711	NEETHU URSALA P. G	43.3	○	○
12	9712	NINITHA BENNY	43.3	○	○
13	9713	DONA MARY DEVASSY	46.36	○	○
14	9714	ANITTA SHEEN THERESA	50	○	○
15	9715	DEENA T DAVID	33.3	●	○
16	9716	SHRUTHI MOHAN	33.3	●	○
17	9717	AKHILA V C	46.6	○	○
18	9718	NILINA E BENSON	36.6	●	○
19	9719	ANU ANTONY	30	●	○
20	9720	NANCY MERCY ROY	30	○	○
21	9722	JILJA SIBY	40	○	○
22	9723	GLORY	16.6	○	○
23	9724	ANJANA SURESH	43.3	○	○



B.Sc. AQUACULTURE & B.Sc. INDUSTRIAL FISH AND FISHERIES ENTRY LEVEL TEST (2018 - 2021)

1. Fat soluble vitamins are:

- a) A, D, & E b) B, C, and D c) B and C d) A, B and C

2. Selective accumulation of iodine occurs in:

- a) Intestine b) Thymus c) Thyroid d) Liver

3. Liver secretes:

- a) No enzymes b) Digestive enzymes c) Hormones d) Succusentericus

4. Which one of the following is regarded as main cellular fuel?

- a) Protein b) Fat c) Fructose d) Glucose

5. Plants are similar to animals because:

- a) They respire during night
b) They respire during the day and night
c) They respire when it is required
d) They respire during the day only

6. Maximum absorption of water in mammals is in:

- a) Lungs b) Skin c) Kidney d) Spleen

7. The absorption of ink by blotting paper involves

- a. viscosity of ink b. Capillary action phenomenon c diffusion of ink through the blotting d. siphon action

8. Light year is a unit of

- a. time b.distance c. light d. intensity of light

9. Pascal is the unit for

- a. Thrust b. pressure c. frequency d. conductivity

10. Sound travels at the fastest speed in

- a. steel b. water c. air d. vacuum

11. Adipose tissue of fish is formed of
(a) Protein (b) Amino acid (c) Fat (d) Carbohydrate
12. The species which is most suitable for aquaculture is called
(a) Exotic species (b) Candidate species (c) Subspecies (d) Native species
13. First Fisheries college established in India is in
(a) Kerala (b) Karnataka (c) New Delhi (d) Maharashtra
14. Which of the following is a floating weed?
(a) Water lily (b) Water milfoil (c) Water hyacinth (d) None of the above
15. Loaches belong to the family
(a) Cyprinidae (b) Cobitidae (c) Amblycipitidae (d) Sisoridae
16. Dugong dugong is the scientific name of
(a) Sea otter (b) Dolphin (c) Sea cow (d) Whale
17. Furnuculosis appears to infect fishes living in
a) Dirty water b) Sea water c) Fresh water d) Brackish water
18. Oviparous fish produce
a) Eggs b) Babies c) Young ones d) Adults
19. The mud flat and slime swamps located in west Bengal are called
a) Bheries b) Lagoon c) Backwater d) Embanked
20. Selective accumulation of iodine occurs in:
a) Intestine b) Thymus c) Thyroid d) Liver
21. Liver secretes:
a) No enzymes b) Digestive enzymes c) Hormones d) Succusentericus
22. Fishes in culture ponds come to the surface in the morning for want of
a) Oxygen. b) Food c) Sunlight. d) Shade
23. In Tropical Countries, the fish matures
a) Late. b) Early c) Rarely. d) Seasonally
24. What is called a tiger prawn?
a) Penaeus indicus. b) Metapenaeus dobsoni c) Penaeus monodon d) Metapenaeus sp
25. Which one of the following is a live feed organism?
a) Tubifex. b) seaweed c) crab d) Oyster
26. Which culture technology is suitable for the culture of sea bass?
a) Pen b) Cage c) Pond d) Raceway
27. Selective accumulation of iodine occurs in:

- a) Intestine b) Thymus c) Thyroid d) Liver

28. Liver secretes:

- a) No enzymes b) Digestive enzymes c) Hormones d) Succusenteric

29. The species which is most suitable for aquaculture is called

- (a) Exotic species (b) Candidate species (c) Subspecies (d) Native species

30. First Fisheries college established in India is in

- (a) Kerala (b) Karnataka (c) New Delhi (d) Maharashtra

31. An artificial fish habitat is

- (a) a construction which provides a habitat for fishes
(b) a place where fishes are processed
(c) a place where fishes are sold
(d) a place where fishes are stocked

32. Heterocercal type of caudal fin is found in

- (a) Scorpion (b) Scoliodon (c) Eel (d) Tilapia

33. The pit nest made by salmon in the river bed is known as.....

- a) Bubble nest b) Weed nest c) REDD d) Stone nest

34. Age of fishes was known as.....

- b) Devonian b) Ordovician c) Crustaceous d) Silurian

35. The metal present in the chlorophyll is

- b) Calcium b) Aluminium c) Zinc d) Magnesium

36. Which of the following not a fish

- (a) Jellyfish (b) Seer fish (c) White bait (d) Lady Fish

37. What is the average salinity of seawater?

- (a) 15ppt (b) 100ppt (c) 66ppt (d) 35ppt

38. Which of the following not a fish

- (a) Jellyfish (b) Seer fish (c) White bait (d) Lady Fish

39. What is the average salinity of seawater?

- (a) 15ppt (b) 100ppt (c) 66ppt (d) 35ppt

40. The richest source of vitamin D is

- a) Cheese b) Milk c) Spinach d) Cod liver oil

41. Sundarban is located in

- (a) Gujarat (b) Bangladesh (c) West Bengal (d) West Bengal and Andhra Pradesh

42. Which is called a guppy? (a) Macropodus (b) Colisa (c) Mollienisia

- (d) Poecilia

43. National fish of India

(A) Sardine (B) Pearl spot (C) Mackerel (D) Tuna

44. Which one is the ornamental fish?

(a) Common carp (b) Tilapia (c) Gold fish (d) Catfish

45. Which of the following not a fish

(a) Jellyfish (b) Seer fish (c) White bait (d) Lady Fish

46. What is the average salinity of seawater?

(a) 15ppt (b) 100ppt (c) 66ppt (d) 35ppt

47. Study of fish is known as

(a) Ornithology (b) Ichthyology (c) Ethology (d) entomology

48. Blood circulation in fish is called as

a) Double circulation b) arterial circulation
c) Venous circulation d) arterial and venous circulation

49. *Pinaeus Japonicus* is commonly called as

a) Kuruma Shrimp b) Kuruma Lobster c) Kuruma Prawn d) Kuruma Fish

50. What is called a tiger prawn?

a) *Penaeus indicus*. b) *Metapenaeus dobsoni*
c) *Penaeus monodon* d) *Metapenaeus sp*

Research Department of Fisheries & Aquaculture



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DEPARTMENT OF FISHERIES AND AQUACULTURE FIRST B.Sc INDUSTRIAL FISH AND FISHERIES (2018-2021)

INTERNAL QUALITY ASSURANCE CELL, ST. ALBERT'S COLLEGE (AUTONOMOUS), ERNAKULAM					
ENTRY LEVEL TEST ANALYSIS					
DEPARTMENT					
No	Class No	Name	Marks for Entry level test (Out of 100)	greater than 75%	
				between 40 and	
				below 40	
1	8001	ABHINAV S SUDEEP	67	67	
2	8002	ASWATHY S	55	55	
3	8003	JINI JAMES	59	59	
4	8004	AYANA SABU	68	68	
5	8005	RENITA DINATIOUS	63	63	
6	8006	LEANDA VARGHESE	85	85	
7	8007	ANJU ANTONY	75	75	
8	8008	MARY NIRMAL K L	70	70	
9	8009	YADU PANDALA	58	58	
10	8010	MARY RIYA	60	60	
11	8011	PAVITHRA M	77	77	
12	8012	ANN MARIA RINU	64	64	
13	8013	HARIPRIYA H MENON	77	77	
14	8014	MEGHA SILVESTER	73	73	
15	8015	MIDHU SILVESTER	87	87	
16	8016	SHEBA S BABU	65	65	
17	8017	SREELAKSHMI B	83	83	
18	8018	NIYA HILLARIAN K	67	67	
19	8019	NEHA JOSE BABY	76	76	
20	8021	ATHIRA BINDURAJ	80	80	
21	8022	FARSANA SALAM M A	82	82	
22	8023	ASLAHA FARHATH	74	74	
23	8024	THANSI NOUSHAD	77	77	
24	8025	AMAL VASU	75	75	
25	8026	LAKSHMI PRIYA S	75	75	
26	8027	CATHARIN MARY K J	71	71	
27	8028	ATHUL SUNIL	79	79	
28	8029	SYAMA H	56	56	
29	8030	ABIN BABU	79	79	
30	8031	JESEENTHA JOEL C T	66	66	
31	8032	BHAGYALEKSHMI H	63	63	
32	8033	SURAYYA T.A	49	49	
33	8034	SRUTHI VIJAY	70	70	
34	8035	ASAF K S	75	75	
35	8036	AASHNA M S	82	82	
36	8037	SAJANA P S	70	70	
37	8038	ADITHYAN A S	82	82	



M. Sc APPLIED FISHERIES AND AQUACULTURE ENTRY LEVEL TEST (2018-2020)

1. Polyculture means
 - a) Culture of one species of fish
 - b) Culture of fish coming under one genus
 - c) Culture of fish from a family
 - d) Culture of multiple species
2. Masmin is prepared from.....
 - a) Dry tunas.
 - b) Dry Sardines
 - c) Wet anchovies.
 - d) Dry anchovies
3. Venom of viper attacks on?
 - a) Nervous system
 - b) Circulatory system
 - c) Respiratory system
 - d) Digestive system
4. Juvenile of Atlantic Salmon is called.....
 - a) Paar
 - b) Alvein
 - c) Smolt
 - d) Elver
5. Migration from river to sea is called.....
 - a) Catadromous
 - b) Anadromous
 - c) Potamodromous
 - d) Oceanodromous
6. Sargassam is a seaweed under the class....
 - a) Chlorophyceae
 - b) Phaeophyceae
 - c) Rhodophyceae
 - d) None
7. Whirling disease is caused by.....
 - a) Bacteria
 - b) Virus
 - c) Protozoa
 - d) Crustacean
8. Larvae of eels are called.....
 - a) Ammocoetus
 - b) Tadpole
 - c) Elver
 - d) Pupa
9. Aqua ranching means
 - a) Sailing in the sea
 - b) Diving in the sea
 - c) Snorkeling in the sea
 - d) Releasing fish seed into the sea
10. Heterocercal type of caudal fin is found in
 - a) Scorpion
 - b) Scoliodon
 - c) Eel
 - d) Tilapia
11. The ratio between food consumed per unit weight gained by the body is expressed by
 - a) Food Conversion Rate
 - b) Food Absorption Rate
 - c) Food Consumption Rate
 - d) Food Assimilation Rate
12. The most abundant constituent of atmospheric air is ?
 - a) Oxygen
 - b) Hydrogen
 - c) Nitrogen
 - d) None
13. Study of internal structure of organism is called:
 - a) Agrostology
 - b) Agronomy
 - c) Anatomy
 - d) None
14. The species which is most suitable for aquaculture is called
 - a) Exotic species
 - b) Candidate species
 - c) Subspecies
 - d) Native species

15. First Fisheries college established in India is in
 a) Kerala (b) Karnataka (c) New Delhi (d) Maharashtra
16. Ammenoletic animals excrete
 a)Uric acid (b)Ammonia (c)Urea (d)Nitrogen waste
17. In which of the following fishes ,the eyes are located in the dorsal surface?
 a)Sharks (b)Skates (c)Rat fish (d)Lionfish
18. Paddle wheel aerators are type of aerators
 a)Gravity (b)Surface (c)Turbine (d)Submersible
19. Which is called round mouthed fish?
 a)Elasmobranchii (b)Teleostomes (c)Cyclostomata (d)None of the above
20. Rickets is a kind of:
 a) Communicable disease (b) Deficiency disease (c) Genetic disease (d) Infective disease
21. Fat soluble vitamins are:
 a) A, D, & E (b) B, C, and D (c) B and C (d) A, B and C
22. Selective accumulation of iodine occurs in:
 a) Intestine (b) Thymus (c) Thyroid (d) Liver
23. Phenomenon of red tide in the sea is due to the presence of
 (a)Red algae (b) Bioluminescent dinoflagellates (c)Dinoflagellates (d)Red colour of water
24. Sea urchin belong to the class
 (a)Holothuroidea (b) Echinoidea (c) Helicoplacoidea (d) Ophiocystiodes
25. Which one of the following gems is produced by animals?
 (a)Diamond (b) Emerald (c)Ruby (d) Pearl
26. Sundarban is located in
 (a)Gujarat (b)Bangladesh (c)West Bengal (d) West Bengal and Andhra Pradesh
27. Which is called a guppy?
 (a)Macropodus (b) Colisa (c)Mollienisia (d) Poecilia
28. National fish of India
 (A) Sardine (B) Pearl spot (C) Mackerel (D) Tuna

29. Which one is the ornamental fish?
 a) Common carp (b) Tilapia (c) Gold fish (d) Catfish
30. Which of the following not a fish
 a) Jellyfish (b) Seer fish (c) White bait (d) Lady Fish
31. What is the average salinity of seawater?
 (a) 15ppt (b) 100ppt (c) 66ppt (d) 35ppt
32. Study of fish is known as
 (a) Ornithology (b) Ichthyology (c) Ethology (d) entomology
33. Which of the following is one of the functions of antigen?
 a)Lowers body temperature b)Destroys harmful bacteria c) Triggers the immune system d) Used as an antidote to poison
34. Instrument used to determine water salinity is.....a) Refractometer
 b) BOD bottles c) Secchi disc d) None of the above
35. Water controlling device used in aquafarms are calleda) Monk gate
 b) Sluice gate c) Dike compartment d) None
36. Gas bubble disease in fishes is caused by the supersaturation of
 a)Oxygen b)Carbon dioxide c) Ammonia d) Methane
37. Cyst of brine shrimp hatch out as
 a)Mysis b)Naupli c)Zoea d)protozoa
38. What is Sagarsampada?
 a)A research vessel. b) A commercial ship c)A Naval ship d)A luxury vessel
39. Chilka lake is situated in
 a) Bihar. b)Orissa c)Andhra Pradesh d)West Bengal
40. The aquatic animal with the most developed intelligence is
 a)Whale. b) Seal c) Dolphin. d) Kangaroo
41. What is masmeen?
 a)Dry tunas. b)Dry Sardines c)Wet anchovies. d)Dry anchovies
42. Monosex culture is adopted in case of
 a)Tilapia. b)Trout's c)Channel catfishes d) Carps

43. Fishes in culture ponds come to the surface in the morning for want of
a)Oxygen. b)Food c)Sunlight. d)Shade
44. In Tropical Countries,the fish matures
a) Late. b) Early c) Rarely. d) Seasonally
45. Sense organs found in fishes as unique features
a)Olfactory sense organs. b)Auditory sense organs
c)Semicircular canals. d)Lateral line organs
46. A step in canning of raw material in brine
a)Frying b)cooling c)Roasting d)blanching
47. Elasmobranchi includes
a)bony fishes b)cartilaginous fishes c)jawless fishes d)rays and skates
48. Carassiusauratus is the scientific name of
a)Molly b)guppy c) C) Gold fish d)mullet
49. Self brine is the term associated with
a)Canning b)pickling c)Smoking d)salting
50. Which is the primary cause of spoilage of fish?
a)Bacteria b)fungi c)Protozoa d)virus
-

Research Department of Fisheries & Aquaculture



St. Albert's College (Autonomous)

Accredited by National Assessment and Accreditation Council (NAAC) at 'A' Grade
with CGPA of 3.24, ISO 9001:2015 Certified
Affiliated to Mahatma Gandhi University, Kottayam, Kerala



Research Department of Fisheries Aquaculture Entry Level Test AFA (2018-20 Batch) July 2018

INTERNAL QUALITY ASSURANCE CELL, ST. ALBERT'S COLLEGE (AUTONOMOUS), ERNAKULAM					
ENTRY LEVEL TEST ANALYSIS					
DEPARTMENT					
No	Class No	Name	Marks for Entry level test (Out of 100)	greater than 75%	
				between 40 and	
				below 40	
1	4301	NANDANA NELSON	82	82	
2	4302	RIYA JOLLY	83	83	
3	4303	RESHMA C.S	89	89	
4	4304	JESNEY P J	83	83	
5	4305	ATLINE MARTHA VARGHESE	85	85	
6	4306	MARY JAIN XAVIER	91	91	
7	4307	JAYALAKSHMI K H	94	94	
8	4308	SWATHY S S	87	87	
9	4309	ABHIJITH A S	83	83	
10	4310	SHINJI SAJEEV	91	91	
11	4311	MANU M S	81	81	
12	4312	NAZIF P N	71	71	
13	4313	ELDHOSE SAJU	76	76	
14	4314	ARUN RAJU	ABSENT	ABSENT	
15	4315	AADHIL YAHIA K	88	88	
16	4316	VIBINA K WELFEN	86	86	
17	4317	MARY SHONIMA C J	86	86	
18	4318	GOPIKA P.B	84	84	
19	4319	SANDRA THOMAS	90	90	
20	4320	IBADHUNSHISHA MARWEIN	62	62	
21	4321	RAYMOSH MARAK	76	76	
22	4322	IBANSHIMTILANG NONGKSEH	64	64	
23	4323	WANDARISHA MARWEIN	66	66	
24	4324	SINGKHUI CHAMROY	57	57	
25	4325	MOHAMMED JABIR K K	74	74	
26					



ENTRY LEVEL TEST (2018)

1. Which among these is known as "Book of Final Entry".

Ledger

Journal

Trial Balance

Balance Sheet

2. A firm will continue its operations for an indefinite period of time. This is known as ?

Business Entity Concept

Dual Aspect

Concept Going

concern concept

accounting period

concept

3. Capital is.....

Liability + Asset

Liability - Asset

4. Cash is a Account.

Personal

Real

Nominal

5. Prestige and feeling of accomplishment comes under which types of needs in Maslow's need hierarchy theory? Safety

Physiological

Esteem

Self- Actualization

6. Motivation Hygiene Theory was given by

Maslow

Herzberg

Taylor

Henry Fayol

7. Exercise of authority and making decisions is

Leadership

Motivation

Personality

Attitude

8. Personality type which tends to be moody, stressed and anxious is.....

Neuroticism

Agreeableness

Extroversion

9. Consumer's desire to purchase goods and services and willingness to pay a price for a specific good or service

Demand

Supply

Need

10. Fundamental economic concept that describes the total amount of a specific good or service that is available to consumers

Demand

Supply

Need

11. Which of these should be avoided for an effective speech? determination of the purpose

Selection of message

Lack of interest

12. Public speaking is only verbal activity.

TRUE/FALSE?

13. Which of these is not a type of public speech?

short

speech

informal

speech

written

speech

14. What is the maximum time for a short speech?

Ten minutes

Thirty minutes

Forty-five minutes



DEPARTMENT OF BUSINESS ADMINISTRATION

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Affiliated to Mahatma Gandhi University, Kottayam, Kerala

ENTRY LEVEL TEST ANALYSIS

SL. NO.	CLASS NO.	NAME	MARKS
1	2701	FAHAD ALI P M	8
2	2702	ALINA M JEHOUSE	10
3	2703	ALWEENA PHILCY T J	10
4	2704	ALFRED THOMSON K J	8
5	2705	RICHA JOY	10
6	2706	FEZIN P S	10
7	2707	NIMMI JOSEPH	10
8	2709	VARSHA DAS	10
9	2711	RANVEER SUBIN JOB	10
10	2712	AKSHARA SHIBU	10
11	2713	BIBIYA PAUL	10
12	2714	FEBIN FRANCIS	10
13	2715	R VELMURUGAN	10
14	2716	SHERIN JOSEPH	10
15	2717	ANJU MATHEW	8
16	2718	ASHNA ALEX	10
17	2719	JOSEPH JEAN	10
18	2720	SULTHAN SABEER	10
19	2721	DIVYADARSHANA ANAND	10
20	2722	ESNA ABDUL JABBAR	10
21	2723	A M GAYATHRI	10
22	2724	ZIYA FATHIMA NASSAR	10
23	2725	JWALA T	10
24	2726	ARDHRA C R	10
25	2727	SANDRA MANOJ	10
26	2728	LAVINA WILSON	10
27	NA	SANGEETH	4

	2730	SHERON WILLIAMS	8
28	2731	ALAN JOHNSON P J	10
29	2732	CHRISTY FRANCIS	9
30	2733	ALEN JOSEPH K J	10
31	2734	ALEN XAVIER THOMAS	5
32	2735	NILEENA ROSE MARY	10
33	2736	VISHNU PRASAD	9
34	2738	AJMAL MOHAMMED B B	5
35	2739	LIMA BABU	10



**Department of
Chemistry & Research Centre**

St. Albert's College Autonomous, Ernakulam

Accredited with 'A' grade by NAAC

ISO 9001: 2015 Certified

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B. Sc CHEMISTRY & B. Sc INDUSTRIAL CHEMISTRY

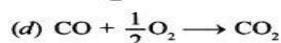
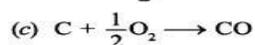
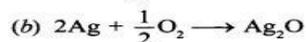
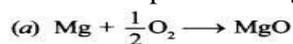
ENTRY LEVEL TEST (2018-2019)

Time: 1 hour

Maximum Marks: 50

- Which of the following ore is best concentrated by the froth floatation process?
 - Magnetic
 - Siderite
 - Galena
 - Malachite
- Extraction of gold and silver involves leaching with CN^- . Silver is later recovered by
 - Distillation
 - Zone refining
 - Displacement by Zn
 - Liquation
- Which one of the following ore is concentrated by chemical leaching method?
 - Galena
 - Copper pyrites
 - Cinnabar
 - Argentite
- According to the Ellingham diagram, the oxidation reaction of carbon to carbon monoxide may be used to reduce which one of the following at lowest temperature?
 - Al_2O_3
 - Cu_2O
 - MgO
 - ZnO
- The first step in extraction of copper from $CuFeS_2$ is
 - reduction by carbon
 - electrolysis of ore
 - roasting in O_2
 - magnetic separation
- Roasted copper pyrites on smelting with sand produces
 - $FeSiO_3$ and Cu_2S
 - $CaSiO_2$ and Cu_2O
 - $Ca_3(PO_4)_2$ and Cu_2S
 - $Fe_3(PO_4)_2$ and Cu_2S
- The composition of copper matte is
 - $Cu_2S + FeS$
 - $Cu_2S + Cu_2O$
 - $Cu_2S + FeO$
 - $Cu_2O + FeS$

8. ΔG° vs T plot in Ellingham's diagram slopes downward for the reaction.



9. A number of elements are available in earth's crust but most abundant elements are _____ .

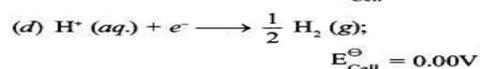
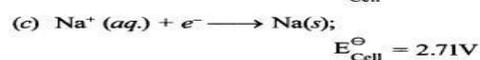
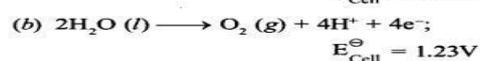
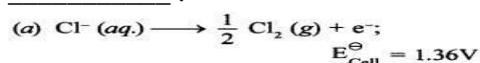
(a) Al and Fe

(b) Al and Cu

(c) Fe and Cu

(d) Cu and Ag

10. Brine is electrolysed by using inert electrodes. The reaction at anode is _____ .



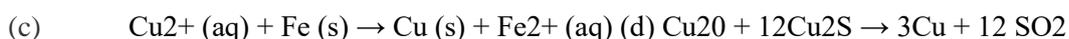
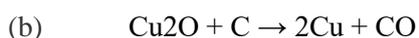
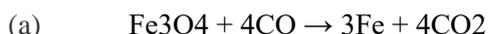
11. In the extraction of chlorine by electrolysis of brine _____ .

(a) oxidation of Cl^- ion to chlorine gas occurs.

(b) reduction of Cl^- ion to chlorine gas occurs.

(c) For overall reaction ΔG° has a negative value. (d) a displacement reaction takes place.

12. Which of the following reactions is an example of auto reduction?



13. The electrolytic reduction technique is used in the extraction of (a) Highly electronegative elements.

(b) Highly electropositive elements.

(c) Metalloids.

(d) Transition metals.

14. In the commercial electrochemical process for aluminium extraction, electrolyte used is (a) $\text{Al}(\text{OH})_3$ is NaOH solution.

(b) An aqueous solution of $\text{Al}_2(\text{SO}_4)_3$.

(c) A molten mixture of Al_2O_3 and Na_3AlF_6 . (d) A molten mixture of Al_2O_3 and $\text{Al}(\text{OH})_3$.

15. Which ore can be best concentrated by the froth floatation process?

(a) Malachite

(b) Cassiterite

- (c) Galena
- (d) Magnetite

16. Electrolytic reduction of Al_2O_3 to Al by Hall- Heroult process is carried out (a) in presence of NaCl.

- (b) in the presence of fluorite.
- (c) in presence of cryolite which forms a melt with lower melting point.
- (d) in presence of cryolite which forms a melt with high melting point.

17. The chemical composition of 'slag' formed during the melting process in the extraction of copper is

- (a) $\text{Cu}_2\text{O} + \text{FeS}$
- (b) FeSiO_3
- (c) CuFeS_2
- (d) $\text{Cu}_2\text{S} + \text{FeO}$

18. Bessemer converter is used in the manufacture of

- (a) Pig iron
- (b) Steel
- (c) Wrought iron
- (d) Cast iron

19. The method of zone refining of metals is based on the principle of (a) greater mobility of the pure metal than that of the impurity.

- (b) higher melting point of the impurity than that of the pure metal.
- (c) greater noble character of the solid metal than that of impurity.
- (d) greater solubility of the impurity in the molten state than in the solid.

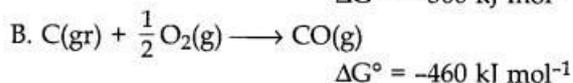
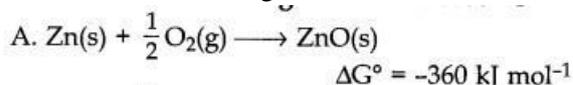
20. In the leaching of Ag_2S with NaCN, a stream of air is also passed. It is because (a) The reaction between Ag_2S and NaCN is reversible.

- (b) to oxidise Na_2S formed in the reaction to Na_2SO_4 .
- (c) to oxidise Ag_2S to Ag_2O .
- (d) Both (a) and (b).

21. Purest form of iron is

- (a) Cast iron
- (b) Hard Steel
- (c) Stainless steel
- (d) Wrought iron

22. Consider the following reaction at 1000°C



Choose the correct statement at 1000°C (a) Zinc can be oxidised by carbon monoxide.

- (b) Zinc oxide can be reduced by graphite.
- (c) Both statements (a) and (b) are correct.
- (d) Both statements (a) and (b) are false.

23. At the temperature corresponding to which of the points in Fig. FeO will be reduced to Fe by coupling the reaction $2\text{FeO} \rightarrow \text{Fe} + \text{O}_2$ with all of the following reactions?

- (i) $\text{C} + \text{O}_2 > \text{CO}_2$
- (ii) $2\text{C} + \text{O}_2 > 2\text{CO}$ and (Hi) $2\text{CO} + \text{O}_2 > 2\text{CO}_2$
- (a) Point A
- (b) Point B
- (c) Point C
- (d) Point D

24. Which of the following options are correct?

- (a) Cast iron is obtained by smelting pig iron with scrap iron and coke using hot air blast.
- (b) In extraction of silver, silver is extracted as a cationic complex.
- (c) Nickel is purified by zone refining.
- (d) Zr and Ti are purified by van Arkel method.

25. In the extraction of aluminium by Hall-Heroult process, purified Al_2O_3 is mixed with CaF_2 to

- (a) lower the melting point of Al_2O_3 .
- (b) increase the conductivity of molten mixture.
- (c) reduce Al^{3+} into $\text{Al}(s)$.
- (d) acts as a catalyst.

26. Common impurities present in bauxite are

- (a) CuO
- (b) ZnO
- (c) Fe_2O_3
- (d) SiO_2

27. Which of the following statements is correct about the role of substances added in the froth floatation process?

- (a) Collectors enhance the non-wettability of the mineral particles.
- (b) Collectors enhance the wettability of gangue particles.
- (c) By using depressants in the process two sulphide ores can be separated.
- (d) Froth stabilisers decrease wettability of gangue.

28. A new galvanic cell of E° more than E° of Daniel cell is connected to Daniel cell in a manner that new cell gives electrons to cathode, what will happen

- (a) E_{cell} will increase
- (b) E_{cell} will decrease
- (c) No change will take place
- (d) Daniel cell will work as an electrolytic cell where Zn will be deposited on zinc rod and copper will dissolve from copper rod.

29. $\text{Ag}^+(\text{aq}) + e^- \rightarrow \text{Ag}(s) \quad E^\circ = +0.80 \text{ V}$

$\text{Fe}^{2+}(\text{aq}) + 2e^- \rightarrow \text{Fe}(s) \quad E^\circ = -0.44 \text{ V}$

What is emf of

$\text{Fe}(s) + 2\text{Ag}^+(\text{aq}) \rightarrow \text{Fe}^{2+}(\text{aq}) + 2\text{Ag}(s)$

- (a) 1.16 V
- (b) 1.24 V
- (c) 2.04 V
- (d) -1.16 V

30. A conductivity cell containing electrodes made up of

- (a) Gold
- (b) Silver
- (c) Platinised platinum (d) Copper

31. Which of the following expressions is correct for 'K_a' in terms of Λ° and Λ , where 'C' is molarity.

(a) $K_a = \frac{C\Lambda_m^\circ}{\Lambda_m(\Lambda_m^\circ - \Lambda)}$

(b) $K_a = \frac{C\Lambda_m^2}{\Lambda_m^\circ(\Lambda_m^\circ - \Lambda_m)}$

(c) $K_a = \frac{C\Lambda_m^2}{\Lambda_m^\circ}$

(d) $K_a = \frac{C\Lambda_m^2}{(\Lambda_m^\circ - \Lambda_m)}$

32. What is pH of the half cell Pt|H₂(fe)|H⁺ if E_oH+H₂ = -0.0295 V

- (a) 1
- (b) 2
- (c) 0.5
- (d) 3.33..



(E_{cell}^o = 0.059 V)

What is the value of 'K' for the above reaction?

- (a) 1 × 10⁸
- (b) 1 × 10²
- (c) 4 × 10³
- (d) 3 × 10⁴

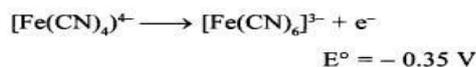
34. Which of the following statements is correct?

- (a) E_{Cell} and ΔrG of cell reaction both have extensive properties.
- (b) E_{Cell} and ΔrG of cell reaction both are . intensive properties.
- (c) E_{Cell} is an intensive property while ΔrG of cell reaction is an extensive property.
- (d) E_{Cell} is an extensive property while ΔrG of cell reaction is an intensive property.

35. While charging the lead storage battery _____ .

- (a) PbSO₄ anode is reduced to Pb.
- (b) PbSO₄ cathode is reduced to Pb.
- (c) PbSO₄ cathode is oxidised to Pb.
- (d) PbSO₄ anode is oxidised to PbO₂.

36. On the basis of following E^o values, the strongest oxidising agent is



- (a) Fe^{2+} (b) Fe^{3+}
 (c) $[\text{Fe}(\text{CN})_6]^{3-}$ (d) $[\text{Fe}(\text{CN})_6]^{4-}$

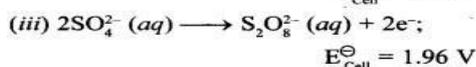
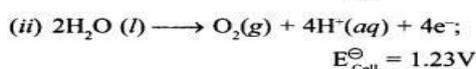
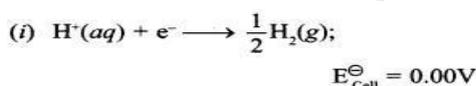
37. Λ of M/32 solution of weak acid is 8 S cm² mol⁻¹ and limiting molar conductivity is 400 S cm² mol⁻¹. K_a for acid is

- (a) 1.25×10^{-6}
 (b) 6.25×10^{-4}
 (c) 1.25×10^{-4}
 (d) 1.25×10^{-5}

38. The positive value of the standard electrode potential of Cu²⁺/Cu indicates that _____ (a) this redox couple is a stronger reducing agent than the H⁺/H₂ couple.

- (b) This redox couple is a stronger oxidising agent than H⁺/H₂.
 (c) Cu can displace H₂ from acid.
 (d) Cu cannot displace H₂ from acid.

39. E^\ominus_{cell} for some half cell reactions are given below. On the basis of these marks the correct answer. [NCERT Exemplar]



- (a) In dilute sulphuric acid solution hydrogen ion will be reduced at cathode.
 (b) In concentrated sulphuric acid solution, water will be oxidised at anode.
 (c) In dilute sulphuric acid solution, water will be oxidised at anode. (d) In dilute sulphuric acid solution, SO₄²⁻ ions will be oxidised to tetrathionate ions at anode.

40. $E^\ominus_{\text{Cell}} = 1.1\text{V}$ for Daniel cell. Which of the following expressions are the correct description of the state of equilibrium in this cell? [NCERT Exemplar]

- (a) $1.1 = K_c$
 (b) $\frac{2.303RT}{2F} \log K_c = 1.1$
 (c) $\log K_c = \frac{2.2}{0.059}$
 (d) $\log K_c = 1.1$

41.

$\Lambda_m^0 \text{H}_2\text{O}$ is equal to _____.

[NCERT Exemplar]

- (a) $\Lambda_m^0(\text{HCl}) + \Lambda_m^0(\text{NaOH}) - \Lambda_m^0(\text{NaCl})$
 (b) $\Lambda_m^0(\text{HNO}_3) + \Lambda_m^0(\text{NaNO}_3) - \Lambda_m^0(\text{NaOH})$
 (c) $\Lambda_m^0(\text{HNO}_3) + \Lambda_m^0(\text{NaOH}) - \Lambda_m^0(\text{NaNO}_3)$
 (d) $\Lambda_m^0(\text{NH}_4\text{OH}) + \Lambda_m^0(\text{HCl}) - \Lambda_m^0(\text{NH}_4\text{Cl})$

42. The charge required for the reduction of 1 mol of MnO₂⁻ to MnO₂ is

- (a) 1 F
- (b) 3 F
- (c) 5 F
- (d) 6 F

43. The cell reaction of the galvanic cell.

Cu(s) / Cu²⁺ (aq) // Hg²⁺ (aq) / Hg (l) is

- (a) $\text{Hg} + \text{Cu}^{2+} \longrightarrow \text{Hg}^{2+} + \text{Cu}$
- (b) $\text{Hg} + \text{Cu}^{2+} \longrightarrow \text{Cu}^+ + \text{Hg}^+$
- (c) $\text{Cu} + \text{Hg} \longrightarrow \text{CuHg}$
- (d) $\text{Cu} + \text{Hg}^{2+} \longrightarrow \text{Cu}^{2+} + \text{Hg}$

44. Which of the following reactions is used to make fuel cells?

- (a) $\text{Cd (s)} + 2\text{Ni(OH)}_3 \text{ (s)} \longrightarrow \text{CuO (s)} + 2\text{Ni(OH)}_2 \text{ (s)} + \text{H}_2\text{O (l)}$
- (b) $\text{Pb (s)} + \text{PbO}_2 \text{ (s)} + 2\text{H}_2\text{SO}_4 \text{ (aq)} \longrightarrow 2\text{PbSO}_4 \text{ (s)} + 2\text{H}_2\text{O (l)}$
- (c) $2\text{H}_2 \text{ (g)} + \text{O}_2 \text{ (g)} \longrightarrow 2\text{H}_2\text{O (l)}$
- (d) $2\text{Fe (s)} + \text{O}_2 \text{ (g)} + 4\text{H}^+ \text{ (aq)} \longrightarrow 2\text{Fe}^{2+} \text{ (aq)} + 2\text{H}_2\text{O (l)}$

45. If limiting molar conductivity of Ca²⁺ and Cl⁻ are 119.0 and 76.3 S cm² mol⁻¹, then the value of limiting molar conductivity of CaCl₂ will be

- (a) 195.3 S cm² mol⁻¹
- (b) 271.6 S cm² mol⁻¹
- (c) 43.3 S cm² mol⁻¹
- (d) 314.3 S cm² mol⁻¹.

46. The emf of the cell:

Ni / Ni²⁺ (1.0 M) // Au³⁺ (1.0 M) / Au (E° = -0.25 V for Ni²⁺/Ni; E° = 1.5 V for Au³⁺/Au) is

- (a) 1.25 V
- (b) -1.25 V
- (c) 1.75 V
- (d) 2.0 V

47. The standard emf of a galvanic cell involving cell reaction with n = 2 is formed to be 0.295 V at

25° C. The equilibrium constant of the reaction would be

- (a) 1.0 × 10¹⁰
- (b) 2.0 × 10¹¹
- (c) 4.0 × 10¹²
- (d) 1.0 × 10²

[Given F = 96500 (mol⁻¹); R = 8.314 JK⁻¹ mol⁻¹]

48. If E°Fe²⁺/Fe = -0.441 V and E°Fe²⁺/Fe³⁺ = 0.771 V, the standard EMF of the reaction, Fe + 2Fe³⁺ → 3Fe²⁺ will be

(a) .212 V (b) 0.111 V

(C) 0.330 V

(d) 1.653 V

49. Match the terms given in Column I with the units given in Column II. [NCERT Exemplar]

Column I	Column II
(a) Λ_m	(i) S cm^{-1}
(b) E_{Cell}	(ii) m^{-1}
(c) κ	(iii) $\text{S cm}^2 \text{mol}^{-1}$
(d) G^*	(iv) V

50. Match the terms given in Column I with the items given in Column II.

Column I	Column II
(a) Λ_m	(i) intensive property
(b) E_{Cell}^\ominus	(ii) depends on number of ions/volume
(c) κ	(iii) extensive property
(d) $\Delta_r G_{\text{Cell}}$	(iv) increases with dilution



Department of Chemistry & Research Centre

St. Albert's College Autonomous, Ernakulam

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ISO 9001: 2015 Certified

Affiliated to Mahatma Gandhi University, Kottayam, Kerala

Banerji Road

Ernakulam - 682 018

Kerala, India

Ph: Office: 0484-2394225

E-mail: chemistry@alberts.edu.in

Website: www.alberts.edu.in

I BSc INDUSTRIAL CHEMISTRY 2018-19

INTERNAL QUALITY ASSURANCE CELL, ST. ALBERT'S COLLEGE (AUTONOMOUS), ERNAKULAM					
ENTRY LEVEL TEST ANALYSIS					
DEPARTMENT					
No	Class No	Name	Marks for Entry level test (Out of 100)	greater than 75%	
				between 40 and	
				below 40	
1	5601	ARYA ANILKUMAR	20	20	
2	5602	ANEENA JALEEL	23	23	
3	5603	ALEESHA K RAJU	35	35	
4	5604	NRIPAN SABU	23	23	
5	5605	MARY LIYA	15	15	
6	5606	SHINS M S	10	10	
7	5607	HRIDHYA P D	33	33	
8	5608	APARNA VASUDEVAN	18	18	
9	5609	GEORGE ANTONY	28	28	
10	5610	ALOSH NELSON	30	30	
11	5611	SURAJ S	45	45	
12	5612	HEBIN K GEORGE	13	13	
13	5613	MARIYA SHINCY C J	20	20	
14	5614	HARSHIL JOMON	33	33	
15	5615	ROHAN MELVIN	13	13	
16	5616	SHANEL ANTONY P S	38	38	
17	5617	ANAGHA T	25	25	
18	5618	SHILPA DAMODARAN	35	35	
19	5619	MANISH SHAJI	Absent	Absent	
20	5620	RESHMA T R	15	15	
21	5621	FEMIN GONSALWAZ	25	25	
22	5622	SHARON YESUDAS	38	38	
23	5623	PETROS M	20	20	
24	5624	AMAL K S	25	25	
25	5625	AJITHKUMAR A	33	33	
26	5626	JOHAN VINEETH	33	33	
27	5627	SUJITH. S	23	23	
28	5628	JOEL PV	33	33	



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-----DEPARTMENT OF COMMERCE & RESEARCH CENTRE -----

ENTRY LEVEL TEST (2018)

- Who has been appointed as the new special secretary in the Ministry of Ayush?
(A) Ravi Kant [B] Rajesh Kotecha [C] Sajal Chakravarty [D] Parameswaran Iyer
- Who has been appointed as the new economic affairs secretary in the Union Finance Ministry?
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- The best indicator of economic development of any country is ?
(A) Agriculture [B] Transport [C] Gross production [D] Per capita income
- First five year plan in India was from
(A) 1947 – 1952 [B] 1949 – 1954 [C] 1950 – 1955 [D] 1951 – 1956
- What is NSSO ?
(A) National Social Science Organisation [B] National Social Study Organisation
[C] National Security Science Organisation [D] National Sample Survey Organisation
- Mahila Samridhi Yojana* started in ?
(A) 1992 [B] 1993 [C] 1994 [D] 1995
- Which bank on June 30, 2017 launched its image debit card?
(A) ICICI bank [B] Karnataka bank [C] Yes bank [D] Bank of baroda
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12. Establishment expenses of a new machine will be debited to—
 [A]Expenses Account [B] Profit and Loss Account [C] Machinery Account [D] None of the above
13. FEMA stands for—
 [A] Foreign Exchange Management Act [B] Funds Exchange Management Act
 [C] Finance Enhancement Monetary Act [D] Future Exchange Management Act
 Which bank launched the world's first automated teller machine (ATM)? [A] HSBC [B] Citibank [C] Standard chartered [D] Barclays
14. 'VAT' is imposed-
 Directly on consumer
 On first stage of production
 On all stages between production and sale
 On final stage of production
15. Who is the father of Scientific Management?
 (A)Mary Parker Follet(B) Henry Fayol (C) F W Taylor (D) Koontz
16. 17."Economics is the Science of Wealth". Who gave this definition?
 (A) J K Mehta (B) Marshall (C) Adam Smith (D) Robbins
17. Which theory is generally included under Micro economics?
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 Revenue expenditure (B) Deferred revenue expenditure (C) Capital expenditure (D)
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20. Goodwill is ----
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21. World Consumers Day is Observed on -----
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INTERNAL QUALITY ASSURANCE CELL, ST. ALBERT'S COLLEGE (AUTONOMOUS), ERNAKULAM					
ENTRY LEVEL TEST ANALYSIS					
DEPARTMENT					
No	Class No	Name	Marks for Entry level test (<i>Out of 100</i>)	greater than 75%	between 40 and 74
				below 40	
1	1801	SOORAJ S NAIR	56		
2	1802	ANN MARIA M A	56		
3	1803	P A JEWEL	56		
4	1804	ANN MARY M J	56		
5	1805	CAROLIN JOHNSON	80		
6	1806	K S ANJU	44		
7	1807	KRITIKA AGARWAL	80		
8	1808	APOORVA B PAI	84		
9	1809	LAKSHMI PRIYA M R	72		
10	1810	JYOTHSNA NAIR	80		
11	1811	SANJAY S	76		
12	1812	DEEPIKA.G.S	52		
13	1813	AADHYA WILSON	68		
14	1814	ADHARSH AJITH	68		
15	1815	ANJANA T LALU			
16	1816	KAVYA P S	60		
17	1817	BLESSEN MATHEW	40		
18	1818	PREETHY N A	68		
19	1819	AJAY KRISHNAN V	40		
20	1820	ASHITHA T P	40		
21	1821	SANGEETHA A S	76		
22	1822	ASWATHY K S	60		
23	1823	ANTONY AMAL T J	56		
24	1824	PRABITHA PUSHKARAN	44		
25	1825	ELIZABATH SONA	56		
26	1826	ANAGHA ANTONY	48		
27	1827	ANEETTA PODUTHOOR	40		
28	1828	MARIA CHANCHAL K G	52		

29	1829	TANIA P S	68	
30	1830	ELSA GREESHMA N A	48	
31	1831	CHRISTY JOHNSON	80	
32	1832	SAMSON JOSEPH	48	
33	1833	ANAGHA ANNA JOSEPH	68	
34	1834	FEMY GRACE C A	56	
35	1835	DELTA VARGHESE	44	
36	1836	ANTONY JOSEPH N.G.	76	
37	1837	SANDRA JULIAN		
38	1838	JAISSY ROSE M J	64	
39	1839	ROSHNA SHAJI	56	
40	1840	NEHA SINGH	52	
41	1841	JISNA KUNJUMON	52	
42	1842	ANNMILA GEORGE	76	
43	1843	DIFNA JOHNSON	56	
44	1844	DONAL DENNIS	40	
45	1845	AUGUSTINE ABHISHEK LIVERA	56	
46	1846	FENIL P GEORGE	40	
47	1847	ARYA PRABHAKAR	80	
48	1848	ELIA ANJANA	76	
49	1849	AKSHAY RAJ	56	
50	1850	SREEJITH V	68	
51	1851	VISHNU KANJILY	52	
52	1852	VINDUJA V PAI	88	
53	1853	LIYANA P L	68	
54	1854	SHERITTA K R	52	
55	1855	LAKSHMI SAJEEVAN	44	
56	1856	SUDHESHNA S	76	
57	1857	SHIJIMOL K R	44	
58	1858	BIBIN JOHN	64	
59	1859	ABHINAV S	44	
60	1860	NILA	68	
61	1861	MURSHIDA MAIDANUDORUGE	76	
62	1862	MILAN M O	56	
63	1863	JAANET JOY	78	
64	1864	JISMOL JACOB	60	



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DEPARTMENT OF COMMERCE & RESEARCH CENTRE

ST. ALBERT'S COLLEGE (AUTONOMOUS), ERNAKULAM DEPARTMENT OF COMMERCE -B.COM TAX (SF)-2018 BATCH_ENTRY LEVEL TEST

CLASS NO	NAME	MARKS	PERCENTAGE
2401	NV VAISHNAV	16	64
2402	VARUN KUMAR V C	18	72
2403	ASHTAMOORTHY C	19	76
2404	THASLEEMA SAYED.P	12	48
2405	SANJANA JOSHY	15	60
2406	SANDRA SUNIL	15	60
2407	MALAVIKA P NAIR	19	76
2408	S SHARATH	17	68
2409	GULAFSHA AFRIN	13	52
2410	SANDRA SATHEESH	19	76
2411	VIVEK JAYAKUMAR	14	56
2412	MUHAMMED FARHAN P A	18	72
2413	KIRANLAL P. K	17	68
2414	A VARSHA	14	56
2415	MERRITA THANKACHAN	14	56
2416	S ANANTHA KRISHNAN	13	52
2417	TARA ROSALIND	15	60
2418	GIFIN GEORGE	11	44
2419	NAVIN MARTIN	20	80
2420	TREASA SALVIYA	19	76
2421	AKHIL JACOB	14	56
2422	ALEENA REHANA	15	60
2423	EDWIN K EUGIN	16	64
2424	PRANOY JOSEPH	19	76
2425	REICHAL ROY	19	76
2426	SONA JOSEPH	18	72
2427	XAVIER JOEL P B	18	72
2428	NIKITHA K D	16	64
2429	VANDANA.S	20	80
2430	ROSHAN K S	19	76
2431	AKHIL PRAKASH	14	56
2432	ANN MERIN JOSEPH	21	84
2433	LIJO JOSEPH	12	48
2434	MILAN VARGHESE	10	40
2435	LEKSHMIPRIYA NM	16	64
2436	MARYJEFFEENA C VARGHESE	13	52
2437	DARSANAMALA T S	15	60
2438	IMMANUAL T C	14	56
2439	SREESHMA P M	17	68

22	2124	RIYA MARTIN	46.7
23	2125	ANN MARIA JOHN	80.0
24	2126	MEGHNA JOSEPH	53.3
25	2127	ASHNA JOHN	43.3
26	2128	BEYON SEBASTIAN	46.7
27	2129	JOSMY A J	43.3
28	2130	DANIEL ISSAC	46.7
29	2132	ELEENA A Y	26.7
30	2134	GAYATHRI K V	52.0
31	2135	RESHMA K G	53.3
32	2136	NIMA ANTONY	63.3
33	2137	TONY DCUNHA	60.0
34	2138	AUGNES SNEHA ROBIN	40.0
35	2139	K ANANDHA SUBALAKSHMI	36.7
36	2140	ANN MINTU ROY	46.7
37	2143	NEIL NEBU	23.3
38	2144	JOEL JOSE P M	40.0
39	2145	AKSHAY SAJEEV	50.0
40	2146	SOORYA GAYATHRY V R	50.0
41	2147	ANTONY PETER MANNALY	46.7
42	2148	STEBIN SAJAN	56.7
43	2149	RENOX NORBERT	50.0
44	2150	RAHUL K P S	53.3
45	2151	NASREENA HASSAN HINSATH NIVAS	46.7



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DEPARTMENT OF ENGLISH

M A ENGLISH

ENTRY LEVEL TEST (2018 – 2020)

1. The following is Raja Ravi Varma's *There Comes Papa*. Write a short narrative based on the picture. (1 x 10 = 10 marks)



2. Write a critical appreciation of the monologue – (1 x 10 = 10 marks)

Ophelia:

O, what a noble mind is here o'erthrown! /

The courtier's, soldier's, scholar's, eye, tongue, sword, /

Th' expectancy and rose of the fair state, /

The glass of fashion and the mould of form, /

Th' observ'd of all observers, quite, quite down! /
And I, of ladies most deject and wretched, / (F)
That suck'd the honey of his music vows, /
Now see that noble and most sovereign reason (F)
Like sweet bells jangled out of tune and harsh, /
That unmatch'd form and feature of blown youth
Blasted with ecstasy. / O, woe is me
T' have seen what I have seen, see what I see. /

3. Analyse the following passage and answer the questions below; (7*2=14 marks)

Marie Curie was one of the most accomplished scientists in history. Together with her husband, Pierre, she discovered radium, an element widely used for treating cancer, and studied uranium and other radioactive substances. Pierre and Marie's amicable collaboration later helped to unlock the secrets of the atom.

Marie was born in 1867 in Warsaw, Poland, where her father was a professor of physics. At an early age, she displayed a brilliant mind and a blithe personality. Her great exuberance for learning prompted her to continue with her studies after high school. She became disgruntled, however, when she learned that the university in Warsaw was closed to women. Determined to receive a higher education, she defiantly left Poland and in 1891 entered the Sorbonne, a French university, where she earned her master's degree and doctorate in physics.

Marie was fortunate to have studied at the Sorbonne with some of the greatest scientists of her day, one of whom was Pierre Curie. Marie and Pierre were married in 1895 and spent many productive years working together in the physics laboratory. A short time after they discovered radium, Pierre was killed by a horse-drawn wagon in 1906. Marie was stunned by this horrible misfortune and endured heartbreaking anguish. Despondently she recalled their close relationship and the joy that they had shared in scientific research. The fact that she had two young daughters to raise by herself greatly increased her distress.

Curie's feeling of desolation finally began to fade when she was asked to succeed her husband as a physics professor at the Sorbonne. She was the first woman to be given a professorship at the world famous university. In 1911 she received the Nobel Prize in chemistry for isolating radium. Although Marie Curie eventually suffered a fatal illness from her long exposure to radium, she never became disillusioned about her work. Regardless of the consequences, she had dedicated herself to science and to revealing the mysteries of the physical world.

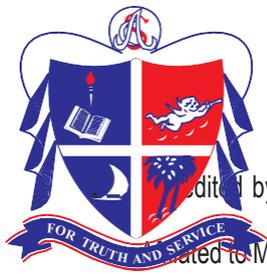
8. **The Curies' _____ collaboration helped to unlock the secrets of the atom.**
- competitive dly
 - courteous
 - industrious
 - chemistry
9. **Marie had a bright mind and a _____ personality.**
- strong
 - lighthearted
 - humorous
 - strange
 - envious
10. **When she learned that she could not attend the university in Warsaw, she felt _____.**
- hopeless
 - annoyed
 - depressed
 - worried
 - None of the above
11. **Marie _____ by leaving Poland and traveling to France to enter the Sorbonne.**
- challenged authority
 - showed intelligence
 - behaved
 - was distressed
 - Answer not available
12. _____ **she remembered their joy together.**
- Dejectedly
 - Worried
 - Tearfully
 - Happily
 - Irefully
13. **Her _____ began to fade when she returned to the Sorbonne to succeed her husband.**
- misfortune
 - anger
 - wretchedness
 - disappointment
 - ambition
14. **Even though she became fatally ill from working with radium, Marie Curie was never _____.**
- troubled
 - worried
 - disappointed
 - sorrowful
 - disturbed

4. Write a short note on (2*3=6 marks)

a. Ballads

b. Sonnets

5. Write an essay on the journey that brought about changes in your life (1*10=10 marks)



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DEPARTMENT OF ENGLISH

ENTRY LEVEL TEST ANALYSIS

SL. NO.	CLASS NO.	NAME	MARKS
1	3301	CHRISTY JOSEPH	42
2	3302	ANJANA RAJEEV T	45
3	3303	LAKSHMIPRIYA P SANTHOSH	48
4	3304	MEERA M NAIR	48
5	3305	JUNAIZA ZAINUDHEEN	39
6	3306	ANAGHA RADHAKRISHNAN	40
7	3307	ANSHITA XAVIER	41
8	3308	NEERAJA ROSE JESTIN	41
9	3309	ALNA JOSH V V	35
10	3310	VISHNUPRABHA BALAKRISHNAN	40
11	3311	BLANTA JOLLY	46
12	3312	SONA STANLEY	43
13	3313	SHAHANA MANSUR	40
14	3314	MARY DEEPTHY JOY	42

15	3315	NILA VANDA CELIN	42
16	3316	FRANCIS ADARSH ALBERT	39
17	3317	SURYA S	39
18	3318	MARY STEPHY	43
19	3320	LUCY OLIVIA ROY	37
20	3321	ASISHA D S	38
21	3322	ANNIE LIMIYA V. G	37
22	3323	RESHMI XAVIER	39
23	3324	ANNA STAIN	37
24	3325	RAHANA ISMATH NOON	39
25	3326	LYNELL CARISSA JADE DE ROZARIO	39
26	3327	ANNA CICILY TONY	40
27	3329	ANJU ROSE THOMAS	41

B. VOC LOGISTICS MANAGEMENT

ENTRY LEVEL TEST

(2018-2021)

ST. ALBERT'S COLLEGE (AUTONOMOUS), ERNAKULAM

1. The movement of humans, animals and goods from one location to another is known as
 - Transportation
 - Production
 - Marketing
 - Sales
2. Garampani sanctuary is located at

 - Junagarh, Gujarat
 - Diphu, Assam (a)
 - Kohima, Nagaland
 - Gangtok, Sikkim

3. A person who makes money by starting or running businesses, especially when this involves taking financial risks is known as
 - Labour
 - Entrepreneur
 - Manager
4. Expand IATA
 - *International Air Transport Association*
 - Indian Air Transport Association
 - International Advanced Transit association
5. To bring in products, goods, etc. from another country for sale or use is called
 - Import
 - Export
 - Warehousing
6. Choose the correct link
 - Supplier – manufacturer – Retailer – Customer
 - Customer – Supplier – Retailer – Manufacturer
 - Wholesaler – Retailer – Supplier – Customer
7. A word or a combination of words that indicates action or a state of being or condition is a
 - Pronoun
 - Conjunction
 - Verb
8. Probability = Target outcomes / Total outcomes.
 - True
 - False
9. Expand RAM and CPU (in computer)
10. In its simplest form, your balance sheet can be divided into two categories: **assets and liabilities**
 - True
 - False
11. Galileo was an Italian astronomer who
 - Discovered telescope
 - Discovered four satellites in Jupiter
 - discovered that the movement of pendulum produces a regular time measurement
 - All of the above (a)
12. The Ozone layer restricts
 - Visible Light
 - Infrared radiation
 - X-rays and Gamma rays

- Ultraviolet radiation
13. Ecology deals with
- Birds
 - Cell formation
 - Relation between organism and their environment
 - Tissues
14. _____ is the task of buying goods of the right quality, in the right quantities, at the right time and at the right price.
- Supplying
 - Purchasing
 - Scrutinizing
 - None of the above
15. A large building where raw materials or manufactured goods may be stored prior to their distribution for sale is called a _____
- Warehouse
 - Store
 - Inventory
 - Supermarket
16. A _____ is an individual or party that brings a good to be sold on their behalf by another party
- Consignor
 - Consignee
 - Packer
17. Look at this series: 12, 11, 13, 12, 14, 13, ... What number should come next?
- 10 • 16 • 13
 - 15
18. One byte is _____
- 8 bits • 4 bits
 - 7 bits
 - 16 bits
19. Expand ISRO.
20. Which word does NOT belong with the others?
- Wing
 - Fin
 - Rudder
 - Break
21. Safe : Secure :: Protect :
- Lock
 - Guard
 - Sure
 - Conserve
22. Which is the smallest planet in the solar system?
- Mercury
 - Mars
 - Venus
 - Earth
23. Find the odd one out
- Keyboard
 - Mouse

- Monitor
- Scanner

24. IE code stands for _____?

- Industry Element code
- Import Export codes
- Information Entry code
- Informal Exit code

25. Which is the largest container port in India?

- Nhava Sheva Port (JNTP)
- Chennai Port
- Mumbai Port
- Kandla Port

ENTRY LEVEL TEST ANALYSIS

ROLL NO	NAME	Marks/25	Category
8701	AJAY K S	12	slow learner
8702	AMALA JOSHNA	19	advanced learner
8703	VISHNU K S	20	advanced learner
8704	WILJO SHEEN	18	advanced learner
8705	KARTHIK ANIL KUMAR	17	advanced learner
8706	ANSA MARY	14	slow learner
8707	SUDEV S KUMAR	22	advanced learner
8708	ABEL VARGHESE	20	advanced learner
8709	SERINA ROSE	11	slow learner
8710	MUHAMMED V A	19	advanced learner
8711	MARY EAIMMY PAUL	18	advanced learner
8712	SAFIDA P S	21	advanced learner
8713	MINCY P A	13	slow learner
8714	DILNA DAGLAS	23	advanced learner
8715	ASHIK ANTONY	24	advanced learner
8716	JITHU ANTONY	11	slow learner
8717	ASHLET MELTUS	18	advanced learner
8718	FLAVIA JOE ELIZABETH	17	advanced learner
8719	JAISY KRIPA JOSEPH	13	slow learner
8720	JISMON JOSEPH	10	slow learner
8721	SAMUEAL JOSEPH	13	slow learner
8722	ANDREA K ALEX	17	advanced learner
8723	RIYAN ALBERT	19	advanced learner
8724	SHAMILY PHILIP	17	advanced learner
8725	JOHN PAUL GEORGE	23	advanced learner
8726	ASHWIN K G	22	advanced learner
8727	DELTON KADUTHUS	14	slow learner
8728	ANOOP ANTONY	17	advanced learner
8729	MARIYA SONAL T G	18	advanced learner
8730	AKSHAY KRISHNA	17	advanced learner
8731	FATHIMA SHAHIN M S	19	advanced learner
8732	ANTONY SHANON	20	advanced learner
8733	NIKHIL NIXON	14	slow learner
8734	SIVANAND B	12	slow learner
8735	JOEL JOHNS JOJO	17	advanced learner
8736	AROMAL JOSEPH	14	slow learner
8737	SANDRA PHILOMINA	12	slow learner
8738	ENITTA BENNY	17	advanced learner

ENTRY LEVEL TEST JULY 2018
DEPT OF MATHEMATICS
ST ALBERT'S COLLEGE (AUTONOMOUS), ERNAKULAM



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DEPARTMENT OF RENEWABLE ENERGY

ENTRY LEVEL TEST (2018)

1. Which of the following is a nonrenewable resource? (a) Coal (b)

Forests (c) Water (d) Wildlife

2. Which of the following is a disadvantage of most renewable energy sources?

(a) Highly polluting (b) High waste disposal cost

(c) Unreliable supply (d) High running cost

3. Photovoltaic energy is the conversion of sunlight into:

(a) Chemical energy (b) Biogas (c) Electricity (d) Geothermal energy

4. Horizontal axis and vertical axis are the types of:

(a) Nuclear reactor (b) Wind mills (c) Biogas reactor (d) Solar cell

5. Which among the following is not an adverse environmental impact of tidal power generation?

(a) Interference with spawning and migration of fish

(b) Pollution and health hazard in the estuary due to blockage of flow of polluted water into the sea

(c) Navigational hazard

(d) None of the above

A fuel cell, in order to produce electricity, burns: (a) Helium (b) Nitrogen (c) Hydrogen (d)

None of the above

6. Both power and manure is provided by:

(a) Nuclear plants (b) Thermal plants (c) Biogas plants (d) Hydroelectric plant

8. The outermost layer of the earth is:

(a) Magma (b) Mantle (c) Crust (d) Solid iron core

9. Common energy source in Indian villages is:

(a) Electricity (b) Coal (c) Sun (d) Wood and animal dung

10. The one thing that is common to all fossil fuels is that they:

(a) Were originally formed in marine environment

(b) Contain carbon

(c) Have undergone the same set of geological processes during their formation

(d) Represent the remains of one living organisms

11. Lignite, bituminous and anthracite are different ranks of:

- (a) Nuclear fuel (b) Coal (c) Natural gas (d) Biogas

12. Crude oil is:

- (a) Colourless (b) Odourless (c) Smelly yellow to black liquid
(d) Odourless yellow to black liquid

13. BTU is measurement of:

- (a) Volume (b) Area (c) Heat content (d) Temperature

14-The following is (are) the visible sign(s) of the large amount of heat lying in the earth's interior.

- (A) Volcanoes (B) Geysers (C) Hot springs (D) All of the above

15-The molten rock within the earth is

- (A) Igneous (B) Magma (C) Sedimentary (D) Metamorphic



Department of Chemistry & Research Centre

St. Albert's College Autonomous, Ernakulam

Accredited with 'A' grade by NAAC

ISO 9001: 2015 Certified

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- The rate of a chemical reaction may be influenced by
 - the concentration of the reactants
 - the physical nature of the reactants
 - the presence of a catalyst
 - all of the above
- Which of the following is not an allotrope of carbon
 - Diamond
 - Graphite
 - C₆₀
 - C₂₂
- The most electronegative element among the following is
 - Sodium
 - Bromine
 - Fluorine,
 - Oxygen
- The gas present in the stratosphere which filters out some of the sun's ultraviolet light and provides an effective shield against radiation damage to living things is
 - Oxygen
 - Ozone
 - Helium
 - Methane
- The primary component of natural gas is
 - Butane
 - Methane.
 - Propane
 - Ethane
- Which one is Avogadro number?
 - 6.023×10^{23}
 - 6.023×10^{19}
 - 1.56×10^{19}
 - 62.03×10^{19}
- The graphite rods in the nuclear reactor
 - Produce neutrons
 - React with fuel "U" to release energy
 - Convert fast moving neutrons in to thermal neutrons
 - Undergo combustion which triggers the nuclear reactions.
- Process in which substance gains electrons is called
 - Oxidation
 - Hydrogenation
 - Sublimation

- d. Reduction
 - e. An electrolytic cell uses electrical energy to drive
 - f. chemical reaction
 - g. physical reaction
 - h. no reaction
 - i. none of above
9. A physical process that occurs by itself are called
- a. Thermodynamic process
 - b. Spontaneous process
 - c. Non spontaneous process
 - d. Fast process.



1. Who discovered Atom ?
 - a) Madam Curie (b) James Chadwick (c) Rutherford (d) John Dalton
2. Radiocarbon is produced in the atmosphere as a result of
 - a. collision between fast neutrons and nitrogen nuclei present in the atmosphere
 - b. action of ultraviolet light from the sun on atmospheric oxygen
 - c. action of solar radiations particularly cosmic rays on carbon dioxide present in the atmosphere
 - h) lightning discharge in atmosphere**
3. Light year is a unit of
 - a) Time (b) Light (c) Distance (d) Intensity of light
4. Newton is used to measure
 - a) Speed (b) Volume (c) Force (d) Area
5. What is the unit of Work and Energy?
 - a) Joule (b) kilogram (c) ampere (d) meter
6. The rotational effect of a force on a body about an axis of rotation is described in terms of
 - a) Centre of gravity (b) Centripetal force (c) Centrifugal force (d) Moment of force
7. Energy possessed by a body in motion is called
 - a) Kinetic Energy (b) Potential Energy (c) Both of Above (d) None of Above
8. Which of the following is an electromagnetic wave ?
 - a) Cathode rays (b) Sound wave (c) Ultrasonic wave (d) Infrared rays
9. *What is the refractive index?*
 - a. It is defined as the ratio of speed of light in the medium to the speed of light in vacuum.
 - b. It is defined as the ratio of speed of light in vacuum to the speed of light in the medium .
 - c. It is defined as the product of speed of light in medium and in vacuum.
 - d. None of above
10. The nuclear reaction in which a heavy nucleus splits into two nuclei of nearly equal mass is called
 - a) Nuclear fusion (b) Nuclear fission (c) Nuclear reaction (d) Fast breeding



RESULT OF ENTRY LEVEL TEST (JULY 2018)

Sl. No.	Class No.	Name of the Student	Marks (Out of 35)
1	7101	Gopikrishna S	25
2	7102	Sabin C.S	30
3	7103	Akshay Krishna	18
4	7104	Shidhin Das	20
5	7105	Elgeyo Dominic Mendez	27
6	7108	Adrian Johnson	32
7	7111	Evangline Ruth	23
8	7112	Fexin Francis	20
9	7113	Jelfin George	18
10	7114	Joseph Sen	25
11	7115	Alan Jose	17
12	7116	Amlin Mendez	33
13	7118	Anna Jose	30
14	7120	Abhirami K.S	28
15	7121	Ann Mary Jose	20
16	7122	Neethu Unni	24
17	7123	Amrutha T Babu	27
18	7124	Athira C.A	22
19	7125	Fabian Augustine	30
20	7129	Sandra Baby	27
21	7130	Manu Martin	21
22	7132	Sidharth J	25
23	7133	Dijo C.S	33



ST. ALBERT'S COLLEGE (AUTONOMOUS), ERNAKULAM
DEPARTMENT OF SPACE SCIENCE AND TECHNOLOGY
PG ENTRANCE EXAMINATION – 2018

Time: 1 Hour

Maximum Marks: 50

INSTRUCTIONS TO CANDIDATES

1. You are provided with a Test Booklet and an Answer Sheet to mark your response. Read carefully all the instructions before start answering.
2. **Write your Name and Application number on the space provided in the Answer sheet.**
3. The paper consists of 50 objective type questions. All the questions carry equal marks.
4. **No negative marks.**
5. Each question has four alternative responses marked A, B, C and D and you have to **put a tick mark** against the correct option by using Ball Point Pen (blue/black) only. Use of any other symbol should be considered as invalid. Answering more than one option also considered as invalid.
6. **You should return the test booklet and answer sheet to the invigilator before leaving the examination hall.**
7. Use of electronic devices such as mobile phones, calculators etc. are strictly prohibited.

MARKLIST

ST. ALBERT'S COLLEGE (AUTONOMOUS), ERNAKULAM

DEPARTMENT OF SPACE SCIENCE AND TECHNOLOGY

ENTRANCE EXAM (2018)- MARKSHEET

Class No.	Name	MARKS
4901	Vimal Jose Vazhatara	35
4902	Gopika M	22
4903	Krishnaja S Pillai	24
4904	Betsy K B	20
4905	Balabhaskar S	30
4906	Balashankar S	32
4907	Jeethu George	34
4908	Alice Jeeva P J	36
4909	Rithu Bejoy	33
4910	Anu Unnikrishnan	20
4911	Nidhi Selvin	16
4912	Helen Antony	15
4913	Ancy George	20
4914	Aleena Abraham	22
4915	Jose Augustin	28

ENTRY LEVEL TEST (2018-2019)

1. Ornithology is the A. Study of bones
 - B. Study of birds
 - C. Study of smells
 - D. None

2. The number of chromosomes in human body is
 - A 42
 - B 44
 - C 46 D 48

3. "RH" factor is a term that we hear in connection with
 - A Space Travel
 - B Blood Transfusion
 - C Air Pressure
 - D. Blood Pressure

4. The branch of science which shows inter-relationship of living organism and their environment is
 - A Ecology
 - B Genetics
 - C Anatomy
 - D Cell Biology

5. Night blindness is caused by the deficiency of
 - A Vitamin A
 - B Vitamin B
 - C Vitamin C
 - D Vitamin D

6. Our bones and teeth are generally made of –
 - A Hydrolith
 - B Chloropetite
 - C Fluoropetite
 - D Tricalcium phosphate

7. The process by which organisms with different evolutionary history evolve similar phenotypic adaptations in response to a common environmental challenge, is called

- A . Natural selection
- B . Convergent Evolution
- C. Non-random evolution
- D. Adaptive radiation

8. The tendency of population to remain in genetic equilibrium may be disturbed by

- A. Random mating
- B. Lack of migration
- C. Lack of mutations
- D. Lack of Random Mating

9. A baby has been born with a small tail. It is the case exhibiting

- A. atavism
- B. mutation
- C. retrogressive evolution.
- D. Metamorphosis

10. Which of the following organisms does not reproduce by binary fission?

- A. Amoeba
- B. Euglena
- C. Plasmodium
- D. Paramecium

11. The immune system becomes weak in a person suffering from...

- A. Syphilis
- B. Gonorrhoea
- C. Typhoid
- D. AIDS

12. The list prepared by International Union for Conservation of Nature and Natural Resources for endangered species is classified as

- A. Brown List
- B. White List
- C. Black List
- D. Red List

13. The main function of the Golgi body is

- A. secretion
- B. respiration
- C. to produce gastric juice
- D. to begin cell division

14. Which of the following hormones contains Iodine?

- A. Insulin
 - B. Adrenaline
 - C. Testosterone
 - D. Thyroxine
15. Which of the following does not have blood but undergoes respiration?
- A. Snail
 - B. Cockroach
 - C. Hydra
 - D. Kangaroo
16. The study related to the fishes is called
- A. Cryptology
 - B. Serology
 - C. Lepidopterology
 - D. Ichthyology
17. Which of the following decreases in number in the human body due to Dengue fever?
- A. Sugar
 - B. Haemoglobin
 - C. Platelets
 - D. Water
18. Which organelle in the cell, other than the nucleus contains DNA?
- A. Centriole
 - B. Lysosome
 - C. Mitochondrion
 - D. Golgi apparatus
19. Which one of the following genetic diseases is sex linked?
- A. Hypertension
 - B. Cystic fibrosis
 - C. Tay Sachs disease
 - D. Haemophilia
20. An enzyme that uses viral RNA as template for the synthesis of DNA is
- A. RNA polymerase
 - B. reverse transcriptase
 - C. viral nuclease
 - D. RNA replicase
21. Anticodon is base triplet on
- A. mRNA complementary to a base sequence on rRNA

- B. mRNA complementary to a base sequence on tRNA
- C. tRNA complementary to a base sequence on rRNA
- D. tRNA complementary to a base sequence on mRNA
22. Which of the following is most dangerous to wildlife?
- A. Overexploitation
- B. Man-made forest
- C. Habitat destruction
- D. Introduction of foreign species
23. Which of these is not a Mendelian disorder?
- A. Turner's syndrome
- B. Sickle-cell anaemia
- C. Colour blindness
- D. Haemophilia
24. Crossing over is advantageous because it brings about
- A. variation
- B. linkage
- C. inbreeding
- D. stability
25. Blood groups of father, mother, and their two children are given below. Work out the genotypes of each blood group.
- A. Father-AB group
- B. Mother-O group
- C. Daughter – A group
- D. Son B-group
26. Wings of insects and birds are
- A. analogous
- B. homologous
- C. vestigial
- D. atavism
27. Convergent evolution is shown by
- A. homologous organ
- B. analogous organ
- C. vestigial organ
- D. All of these
28. S L Miller's closed flask contained.
- A. CH₄
- B. H₂
- C. NH₃ and H₂O
- D. All of these
29. What was the world's first ever mammal to be successfully cloned from an adult cell?

- A. Sheep
- B. Monkey
- C. Cow
- D. Calf

30. The discovery that led to the development of first antibiotic was made by

- A. Jenner
- B. Pasteur
- C. Fleming
- D. Waksman



DEPARTMENT OF ZOOLOGY

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2018

Internal Quality Assurance Cell, St. Albert's College (AUTONOMOUS), Ernakulam					
ENTRY LEVEL TEST ANALYSIS					
DEPARTMENT					
No	Class No	Name	Marks for Entry level test (Out of 100)	than 75% Between 40 Below 40	
1	9201	SEETHAL MARY XAVIER	84	●	
2	9202	SURYA S	88	●	
3	9203	NAVYA M J	80	●	
4	9204	ANGEL K G	60	●	
5	9205	THANIMA V J	60	●	
6	9206	ANN MARY ANSEL	left	left	
7	9207	AMRUTHA SURENDRAN	84	●	
8	9208	GIFNA JOHN	62	●	
9	9209	P R AMRUTHA	72	●	
10	9210	T J TANIYA CELINE	76	●	
11	9211	ROSE MARIA RAJ P	86	●	
12	9212	SANIYA SIMON	68	●	
13	9213	KRISHNENDHU K B	52	●	
14	9214	RITHIKA RAJESH	left	left	
15	9215	DEVIKA V P	70	●	
16	9216	BABY ANN MARYA	80	●	
17	9217	NEHA GINESH	64	●	
18	9218	KAVYA O M	80	●	
19	9219	SHELI LESLI	76	●	
20	9220	ANGEL SHALET LOPEZ	84	●	
21	9221	ANNA MARY GEORGE	70	●	
22	9222	SHAFNA MARTIN	60	●	
23	9223	AADHIYA M S	80	●	
24	9224	SANDRA K B	40	●	
25	9225	FATHIMA A A	70	●	
26	9226	ARYA ANILKUMAR	80	●	
27	9227	AISWARYA SUNIL	40	●	
28	9228	MANEESHA MANUEL	74	●	
29	9229	MARY LINCY T B	76	●	
30	9230	SREELAKSHMI	56	●	
31	9231	SARIGA RAJU	64	●	
32	9232	JYOTHI DINESH	84	●	
33	9233	ANJANA K	80	●	
34	9234	PAVITHRA JOSEPH	84	●	
35	9235	ARUN B	48	●	
36	9236	M R AHALLIYA DEVI	60	●	
37	9237	ASWATHY P S	64	●	
38	9238	ANJANA T A	64	●	
39	9239	SUSMITHA K S	86	●	
40	9240	JISNA JOLLY	82	●	
41	9241	ALEENA BERNARD	72	●	
42	9242	JYOTHIKA K SHAJI	76	●	
43	9243	ANZIYA AZAD	60	●	
44	9244	HABEEBU RAHMAN P A	52	●	
45	9245	MEENAKSHY DILEEP	80	●	
46	9246	LAKSHMIPRIYA	64	●	



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Accredited by National Assessment and Accreditation Council (NAAC) at 'A' Grade with
a CGPA of 3.24, ISO 9001:2015 certified
Affiliated to Mahatma Gandhi University, Kottayam, Kerala

DEPARTMENT OF ZOOLOGY

ENTRY LEVEL TEST FOR IM. Sc ZOOLOGY – JULY 2018

ST. ALBERT'S COLLEGE (AUTONOMOUS), ERNAKULAM

1. Immunoglobulin which crosses the placental barrier -
2. Bacterial cell wall is made up of -
3. Causative agent of polio - 4. Elephantiasis is caused by -
5. Extra chromosomal genetic material in bacteria -
6. Normal average heart rate in man-
7. Functional unit of kidney - 8. Part of brain maintains equilibrium -
9. Rh incompatibility disease in newborns is _____
10. Cons are responsible for vision in _____
11. Largest gland in the human body _____
12. Cytoplasmic connections between cells are called _____
13. Scientific name of Peacock -
14. Muscle fatigue is due to _____ accumulation.
15. Expand ICZN-
16. Three kingdom classification proposed by _____
17. Cnidarians shows _____ level of organisation
18. Connecting link between annelids and arthropods _____
19. Golden Age of reptiles _____
20. Normal glucose level in blood _____
21. Most common helical conformation of DNA-
22. Expand HTML.
23. Overlapping zones between two biological communities _____
24. Species that occupy same habitat but are reproductively isolated is called as _____
25. Give an example for a search engine.
26. The practice of taking someone else's work or ideas and passing them off as one's own is known as _____
27. Middlemost value obtained when a set of values are arranged in a linear order is known as _____
28. The theory of Use and Disuse proposed by _____

29. Father of Zoology _____

30. Trisomy of 18th chromosome leads to _____

I PG ZOOLOGY ENTRY LEVEL TEST ANALYSIS

Internal Quality Assurance Cell, St. Albert's College (AUTONOMOUS), Ernakulam					
ENTRY LEVEL TEST ANALYSIS					
DEPARTMENT					
No	Class No	Name	Marks for Entry level test (Out of 100)	than 75% between 40 and below 40	
1	4701	ANIMOL THOMAS	33	●	
2	4703	SIYA FATHIMA	26	●	
3	4704	JOEL JOLLY	33	●	
4	4705	ANJU S	56	○	
5	4706	JIPSAMOL JAMES	40	●	
6	4707	ANAGHA V UDAYAN	66	○	
7	4708	LEKHA B SHENOY	50	○	
8	4709	GLODIYA K L	43	○	
9	4710	SUMAIRA K	47	○	
10	4711	REVATHY ASHOKAN	50	○	
11	4712	FASNA M S	30	●	
12	4713	SEETHAL RAPHAEL	40	●	
13	4714	GAYATHRI P R	30	●	
14	4715	ELZA MARIA SUNIL	40	●	
15	4716	ARYA P SANTHOSH	50	○	
16	4717	ATHULLYA UNNIKRISHNAN	33	●	
17	4718	BAMITHA BABU	20	●	
18	4720	SIMCY FATHIMA	30	●	
19	4721	ATHIRA A	56	○	
20	4722	TOM ANAND P	46	○	
21				●	



B.Sc. AQUACULTURE & B.Sc. INDUSTRIAL FISH AND FISHERIES (2019-2022 BATCH)

1. The absorption of ink by blotting paper involves
- A. viscosity of ink
 - B. capillary action phenomenon
 - C. diffusion of ink through the blotting

Answer: Option B

2. Most fish do not sink in water because of the presence of
- A. swim bladder
 - B. liver
 - C. air sacs
 - D. air in spongy bones

Answer: Option A

3. Light year is a unit of
- A. distance
 - B. time
 - C. light
 - D. intensity of light

Answer: Option A

4. Pa (Pascal) is the unit for
- A. Thrust
 - B. Pressure
 - C. Frequency
 - D. Conductivity

Answer: Option B

5. Prokaryotic cells lack
- A. nucleolus
 - B. nuclear membrane
 - C. membrane bound by organelles
 - D. All of these Answer: Option D

6. Photosynthesis takes place faster in
- A. yellow light
 - B. white light
 - C. red light
 - D. darkness

Answer: Option B

7. N₂ content is kept constant in the biosphere due to
- A. N₂ fixation
 - B. industrial pollution
 - C. nitrogen cycle
 - D. absorption of N₂ Answer: Option C

8. Most of the red, blue and purple colours of plants are due to a pigment called

- A. anthocyanin
- B. carotene
- C. chlorophyll
- D. xanthophylls

Answer: Option A

9. Poison glands of snakes are homologous to

- A. electric organs of fishes
- B. stings of rays
- C. sebaceous glands of mammals
- D. salivary glands of vertebrates

Answer: Option D

10. Pigmentation of skin is due to lymphocytes

- B. monocytes
- C. leucocytes
- D. melanocytes

Answer: Option D

11. Outer covering of virus made up of protein is

- A. capsid
- B. coat
- C. virion
- D. viroid

Answer: Option A

12. Sound travels at the fastest speed in

- A. steel
- B. water
- C. air
- D. vacuum

Answer: Option A

13. Age of fishes was known as ____.

- A. Devonian
- B. Ordovician
- C. Crustaceous
- D. Silurian

Ans: A

14. The number of Chromosomes in the human gene is ____.

- A. 23
- B. 48
- C. 46
- D. 24

Ans: C

15. Which of the following acids present in Vinegar?

- A. Citric Acid
- B. Acetic Acid
- C. Oxalic Acid
- D. Malic Acid

16. Which of the following groups of gases contribute to the 'Green House Effect'?

- A. Carbon tetrafluoride and Nitrous oxide
- B. Carbon monoxide and Sulphur dioxide

- C. Ammonia and Ozone
- D. Carbon dioxide and Methane

Answer: Option D

17. The richest source of vitamin D is

- A. Cheese
- Milk
- C. Spinach
- D. Cod liver oil

Answer: Option D

18. Which of the following tests helps in diagnosis of cancer?

- A. Urine test
- B. Neuro Test
- C. Blood test
- D. Biopsy test

Answer: Option D

19. Healing of wounds is hastened by vitamin?

- A. C
- B. A
- C. E
- D. D

Answer: Option A

20. Who is known as the father of Genetics?

- A. Morgan
- B. Henry
- C. G.J. Mendel
- D. F.B. Morrison

Answer: Option C

21. The most abundant constituent of atmospheric air is ?

- A. Oxygen
- B. Hydrogen
- C. Carbon
- D. Nitrogen

Answer: Option D

22. Study of internal structure of organism is called:

- A. Agrostology
- B. Agronomy
- C. Anatomy
- D. Agrology

Answer: Option C

23. Study of cell is:

- A. Biometrics
- B. Bacteriology
- C. Cryobiology
- D. Cytology

Answer: Option D

24. The poison of honey bees is?

- A. Acidic
- B. Saltish

Alkaline

- D. Protein

Answer: Option A

25. Rubber is obtained from?

- A. cell sap
- B. latex
- C. gun
- D. resin

Answer: Option B

26. Name of the first successfully cloned deer?

- A. Drown
- B. Dewey
- C. Drarar D. Delor

Answer: Option B

27. Which blood group is known as a Universal donor?

- A. A+
- B. A- C. AB D. O

Answer: Option D

28. Cirrhosis is a disease that affects which among the following organs?

- A. Kidney
- B. Liver
- C. Pancreas
- D. Small Intestine Answer: Option B

29. What provides instant energy?

- A. Fat
- B. Carbohydrates
- C. Protein
- D. Vitamin

Answer: Option B

30. Venom of cobra attacks on?

- A. Digestive system
- B. Nervous system
- C. Circulatory system
- D. Respiratory system

Answer: Option C

31. Which organ of the body produces the fluid known as bile?

- A. Liver
- B. Pancreas
- C. Gallbladder
- D. Kidney

Ans. A

32. Hepatitis is a general term for a disease that is caused by:

- A. Viruses
- B. Bacteria
- C. Parasites
- D. All the above Ans. Option A

33. Which one of the following systems of the body is primarily attacked by HIV? A.

Cardiovascular

- B. Immune
- C. Respiratory
- D. Reproductive Ans. Option B

34. Which of the following is one of the functions of antigen?

- A. Lowers body temperature
- B. Destroys harmful bacteria
- C. Triggers the immune system
- D. Used as an antidote to poison

Ans. Option C

35. What is the mode of nutrition called in which organisms cannot make its own food from simple inorganic material and depends on other organisms for its food?

- A. Autotrophic nutrition
- B. Heterotrophic nutrition
- C. Parasitic nutrition
- D. Holozoic nutrition

Ans. Option B

36. What is the process of taking food into the body called?

- A. Digestion
- B. Assimilation
- C. Ingestion
- D. Egestion

Ans. Option C

37. The process of getting back a full organism from its body part is called:

- A. Spore formation
- B. Budding
- C. Regeneration
- D. Fragmentation

Ans. Option C

38. When new plants are obtained from the parts of old plants, without the help of any reproductive organs, it is called:

- A. Vegetative propagation
- B. Spore formation
- C. Fragmentation
- D. Multiple fission

Ans. Option A

39. A group of glands which produce various hormones is called:

- A. Respiratory system
- B. Excretion
- C. Endocrine system
- D. Central nervous system

Ans. Option C

40. The complex feeding relationships within a community is called:

- A. Food chain
- B. Food web
- C. Trophic level
- D. All of the above

Ans. Option B

41. The major waste produced by human body is/are:

- A. Carbon dioxide
- B. Urea
- C. Both A and B
- D. Only B

Ans. C

42. Which organ in the human body is responsible for removing carbon dioxide from the body? A.

Kidney

- B. Lungs
- C. Blood
- D. Ureter

Ans. Option B

43. Who is known as the father of Zoology?

- A) Darwin
- B) Aristotle
- C) Lamark
- D) Theophrastus

Answer: Option B

44. Animal without red blood cells

- A) Frog
- B) Earthworm
- C) Snake
- D) Peacock

Answer: Option B

45. National Fish of India

- A. Sardine
- B. Pearl spot
- C. Mackerel
- D. Tuna

Answer: Option C

46. Which one is the ornamental fish?

- A. Common carp
- B. Tilapia
- C. Goldfish
- D. Catfish

Answer: Option C

47. Which of the following not a fish

- A. Jellyfish
- B. Seer fish
- C. White

bait

- D. Lady

Fish

Answer: Option A

48. Scientific Name of Oil Sardine

- A. *Rastrelliger kanagurta*
- B. *Sardinella longiceps*
- C. *Thunnus albacares*
- D. *Sardinella gibbosa*

Answer: Option B

49. Which of the following is migratory fish?

- I. Catfish
- J. Catla
- K. Hilsa
- L. Common carp

Answer: Option C

50. Which is a maritime state?

- M. Assam
- N. Meghalaya
- O. West Bengal P. Bihar

Answer: Option C

51. What is the average salinity of seawater?

- Q. 15 ppt
- R. 100 ppt
- S. 66 ppt
- T. 35 ppt

Answer: Option D

52. Pokkali field culture is practiced in the state of

- A) Karnataka
- B) Kerala
- C) West Bengal
- D) Tamil Nadu

Answer: Option B

53. Study of fish is known as

- A) Ornithology
- B) Ichthyology
- C) Ethology
- D) Entomology

Answer: Option B

54. Which of the following is a poisonous fish?

- A. hammerhead shark
- B. goldfish
- C. lionfish
- D. killer whale

Answer: C

55. State fish of Kerala

- A) Miss Kerala
- B) Catla
- C) Pearl spot
- D) Tilapia

Answer: Option A

56. In science, what is the name for the classification of plants and animals?

- A. taxonomy
- B. taxidermy
- C. entropy
- D. gentrification

Answer: A

57. Blood pressure is measured with

- A) Thermometer
- B) Barometer
- C) Sphygmomanometer
- D) Lactometer

Answer: C) Sphygmomanometer

58. Which of these is not part of the endocrine system?

- A. lungs
- B. pituitary gland
- C. adrenal gland
- D. thyroid gland

Answer: A

59. The brain is covered by

- A) Meninges
- B) Skin
- C) Bone
- D) All the above

Answer: D) all the above

60. Cancer is caused by

- A) Loss of immunity of cells
- B) Uncontrolled meiosis

C) Uncontrolled mitosis

D) Rupturing of cells

Answer: C) Uncontrolled mitosis

Research Department of Fisheries & Aquaculture



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ENTRY LEVEL TEST REPORT B.Sc. INDUSTRIAL FISH AND FISHERIES (2019-22)

INTERNAL QUALITY ASSURANCE CELL, ST. ALBERT'S COLLEGE (AUTONOMOUS), ERNAKULAM				
ENTRY LEVEL TEST ANALYSIS				
DEPARTMENT		Fisheries and Aquaculture (Industrial Fish and Fisheries)		
No	Class No	Name	Marks for Entry level test (<i>Out of 100</i>)	greater than 75% between 40 and below 40
1		Anandhu Ganesh K	70	70
2		Mary Ashna M A	76	76
3		Limil Elias	ABSENT	ABSENT
4		Sandra Ajayan	68	68
5		Maria Roseena Varghese	72	72
6		Shilgin Babu	76	76
7		Leslie Edwin	82	82
8		Jeenia C J	66	66
9		Navya Prakash	78	78
10		Arjun Chnadran R	40	40
11		Sethu Lekshmi Venugopal	42	42
12		Mary Manju	ABSENT	ABSENT
13		KArhtika P P	72	72
14		Agna Mary P A	50	50
15		Mareena Joseph	50	50
16		Talin Benny	64	64
17		Athul Sebastian	66	66
18		Dhanu Suresh	64	64
19		Rosemol K T	82	82
20		Vinila Vincent	64	64
21		T V Ajumal	58	58
22		Ajin Roy	36	36
23		Namitha S Kumar	64	64
24		Lincy V	46	46
25		Reshma Maria Kurien	62	62
26		Aiswarya S	68	68
27		Vlkram S	84	84
28		Muhammed Izzudeen K I	48	48
29				



APTITUDE TEST

M.Sc. APPLIED FISHERIES AND AQUACULTURE

(2019-2021 BATCH)

1. Pole culture is mainly for
a) Crab b) Prawn c) Mussel d) Lobster
2. Head quarter of national institute of oceanography is located in
a) Goa b) Kerala c) Karnataka d) Maharashtra
3. Excretory organs in the case of echinoderms are
a) Malpighian tubules b) Kidneys c) Nephridia d) have no excretory organ
4. The larva of prawn is
a) Pilidium b) Trochophore c) Zoea d) myotoxin
5. Pen culture is a system for culturing
a) Fish b) Birds c) Turtles d) Covals
6. Freshwater ecology is also called as
a) Oncology b) hydrology c) limnology d) meteorology
7. Various steps in food chain are called
a) Food web b) energy web c) energy flow d) Trophic levels
8. The tides in the ocean are caused by
a) Wind over the sea b) gravitational pull of the moon
9. A step in canning of raw material in brine
a) Frying b) cooling c) Roasting d) blanching
10. Elasmobranchii includes
a) bony fishes b) cartilaginous fishes c) jawless fishes d) rays and skates
11. Carassius auratus is the scientific name of
a) Molly b) guppy c) Gold fish d) mullet
12. Self brine is the term associated with
a) Canning b) pickling c) Smoking d) salting
13. Which is the primary cause of spoilage of fish?
a) Bacteria b) fungi c) Protozoa d) virus
14. Blood circulation in fish is called as
a) Double circulation b) arterial circulation c) Venous circulation d) arterial and venous circulation

- 15) *Penaeus Japonicus* commonly called as
 a) Kuruma Shrimp b) Kuruma Lobster c) Kuruma Prawn d) Kuruma Fish
- 16) What is called a tiger prawn?
 a) *penaeus indicus*. b) *Metapenaeus dobsoni* c) *Penaeus monodon*
 d) *Metapenaeus* sp
- 17) Which one of the following is a live feed organism?
 a) Tubifex. b) seaweed c) crab
 d) Oyster
- 18) Trash fish means?
 a) Name of a fish. b) Unwanted fish c) Bottom dwelling fish. d) Surface living fish
- 19) Mina Mata disease is caused by
 a) Cadmium b) Mercury c) Lead d) Iron
- 20) Cyst of brine shrimp hatch out as
 a) Mysis b) Naupli c) Zoea d) protozoa
- 21) What is Sagarsampada?
 a) A research vessel. b) A commercial ship c) A Naval ship d) A luxury vessel
- 22) Chilka lake is situated in
 a) Bihar. b) Orissa c) Andhra Pradesh d) West Bengal
- 23) The aquatic animal with the most developed intelligence is
 a) Whale. b) Seal c) Dolphin. d) Kangaroo
- 24) What is masmeen?
 a) Dry tunas. b) Dry Sardines c) Wet anchovies. d) Dry anchovies
- 25) Monosex culture is adopted in case of
 a) Tilapia. b) Trout's c) Channel catfishes d) Carps
- 26) Fishes in culture ponds come to the surface in the morning for want of
 a) Oxygen. b) Food c) Sunlight. d) Shade
- 27) In Tropical Countries, the fish matures
 a) Late. b) Early c) Rarely. d) Seasonally
- 28) Sense organs found in fishes as unique features
 a) Olfactory sense organs. b) Auditory sense organs
 c) Semicircular canals. d) Lateral line organs
- 29) Monoculture means
 a) Culture of one species of fish b) Culture of fish coming under one genus
 c) Culture of fish from a family d) Culture of fish from an order
- 30) What is the use of echo sounder?
 a) To find out ship's direction b) To find out the depth of the sea c) To find out the wind velocity d) To find out the sun's position

31. The zone where deep current rise to the surface called
 a) Zone of eutrophication b) Zone of epiwelling c) Zone of upwelling
 d) Zone of swelling
32. Hibernation is
 a) Summer sleep b) Winter sleep c) Dormant sleep d) Diving
33. Pure water is obtained from sea water is called
 (a) Filtration (b) Distillation (c) Evaporation (d) Fractional distillation
34. Sea ranching means
 (a) Sailing in the sea (b) Diving in the sea (c) Snorkeling in the sea (d) Releasing fish seed into the sea
35. Pearl spot belongs to the family
 a) Siluridae b) Cyprinidae c) Clupeidae d) Cichilidae
36. Central Institute of Fisheries Technology is situated at
 a) Goa b) Mumbai c) Tutucorin d) Kochi
37. Larvae of petromyzon is
 (a) Ammocoetus (b) Tadpole (c) Elver (d) Pupa
38. Pituitary extract is preserved in
 (a) Absolute alcohol (b) Formalin (c) Acetone (d) Saline
39. Chromatophores are situated in the of fishes
 (a) Intestine (b) Heart (c) Dermis (d) Eyes
40. The olfactory epithelium of teleost is highly secretory due to the presence of
 (a) Phosphatase activity (b) Water (c) Gland cells (d) Lipids
41. Mud bank is formed along the coast of Exoskeleton of crab is made of
 (a) Calcium (b) Chitin (c) Phosphate (d) None of the above
36. Pearl is a secretion of
 (a) Kidney (b) Mantle (c) Mouth (d) Water
- (a) Karnataka (b) Kerala (c) Orissa (d) Goa
42. Phenomenon of red tide in the sea is due to the presence of
 (a) Red algae (b) Bioluminescent dinoflagellates (c) Dinoflagellates (d) Red colour of water
43. Sea urchin belong to the class
 (a) Holothuroidea (b) Echinoidea (c) Helicoplacoidea (d) Ophiocystiidea
44. Which one of the following gems is produced by animals?
 (a) Diamond (b) Emerald (c) Ruby (d) Pearl
45. Sundarban is located in
 (a) Gujarat (b) Bangladesh (c) West Bengal (d) West Bengal and Andhra Pradesh

46. Which is called a guppy?
 (a) Macropodus (b) Colisa (c) Mollienisia (d) Poecilia
47. National fish of India
 (A) Sardine (B) Pearl spot (C) Mackerel (D) Tuna
48. Which one is the ornamental fish?
 (a) Common carp (b) Tilapia (c) Gold fish (d) Catfish
49. Which of the following not a fish
 (a) Jellyfish (b) Seer fish (c) White bait (d) Lady Fish
50. What is the average salinity of seawater?
 (a) 15ppt (b) 100ppt (c) 66ppt (d) 35ppt
51. Study of fish is known as
 (a) Ornithology (b) Ichthyology (c) Ethology (d) entomology
52. State fish of Kerala
 (a) Miss Kerala (b) Catla (c) Pearl spot (d) Tilapia
53. Pokkali field culture is practiced in the state of
 (a) Kerala (b) Karnataka (c) West Bengal (d) Tamil Nadu
54. In Shark the claspers are located
 (a) near the pelvic fins (b) Near the pectoral fins (c) Near the caudal fins
 (d) Near the dorsal fins
55. Anabas has which type of respiratory organ?
 a) Arborescent b) Air bladder c) Labyrinthine d) Tubular sacs
56. Melanin is a pigment
 a) Black b) Yellow c) Red d) Green
57. Fish oil is rich in
 a) Vitamin A b) Vitamin D c) Vitamin C d) Vitamin A and D
58. In many countries the use of explosives for fishing is prohibited by law because,
 (A) It has a devastating effect on all life in the area
 (B) It pollutes the water
 (C) It affects human beings
 (D) It is poisonous to consume such fish
59. The use of which of the following devices has given the modern biologist a better insight into the internal structure of cells
 (a) Computer (b) Electron Microscope (c) Micrometer (d) Ultracentrifuge
60. Which is called 'Eagle ray'?
 a) Clarias b) Narcine c) Myliobatus d) Etroplus
61. Rigor Mortis is basically characterized by
 a) Stiffening of body b) Softening of body c) Asphyxiation
 d) Red cheeks

62. Which culture technology is suitable for the culture of sea bass?
a)Pen b)Cage c)Pond d)Raceway
63. Male sea-horse carries the eggs
a)In its mouth b)As a glutinous mass on the back c)In its pouch
d)In its stomach
64. Which of the following is referred to as a living fossil?
a)Coelacanth b)Lampreys c)Hagfishes d)Flatfishes
65. Polysiphonia is a
a)Green algae b)Red algae c)Yellow algae d)Brown algae
66. Anguilliform type of movement is seen in
a)Eels b)Sardine c)Perches d)Anchovies
67. Epinephelus is commonly known as
a)Sea turtle b)Seahorse c)Sea lily d)Sea bass
68. 'Roe' is called
a)Sperm b)Ovary of fish c)Lung of fish d)Vasdeferens of fish
69. Furnuculosis appears to infect fishes living in
a)Dirty water b)Sea water c)Fresh water d)Brackish water
70. Ammonoetic animals excrete
a)Uric acid b)Ammonia c)Urea d)Nitrogen waste
71. Pituitary gland extracts are injected to induce
a)Ovulation b)Gonadal development c)Sex play d)Secretion of hormones
72. Algal bloom is caused by
a)Lemna b)Hydrilla c)Cobamba d)Microcystis
73. Oviparous fish produce
a)Eggs b)Babies c)Young ones d)Adults
74. The mud flat and slime swamps located in west Bengal are called
a)Bheries b)Lagoon c)Backwater d)Embanked brackish water
75. In which of the following fishes, the eyes are located in the dorsal surface?
a)Sharks b)Skates c)Rat fish d)Lionfish
76. Paddle wheel aerators are type of aerators
a)Gravity b)Surface c)Turbine d)Submersible
77. Which is called round mouthed fish?
a)Elasmobranchii b)Teleostomes c)Cyclostomata d)None of the above
78. Rickets is a kind of:
a) Communicable disease b) Deficiency disease c) Genetic disease d) Infective disease
79. Fat soluble vitamins are:
a) A, D, & E b) B, C, and D c) B and C d) A, B and C
80. Selective accumulation of iodine occurs in:
a) Intestine b) Thymus c) Thyroid d) Liver
81. Liver secretes:
a) No enzymes b) Digestive enzymes c) Hormones d) Succusentericus
82. Which one of the following is regarded as main cellular fuel?
a) Protein b) Fat c) Fructose d) Glucose
83. Plants are similar to animals because:

- a) They respire during night
 b) They respire during the day and night
 c) They respire when it is required
 d) They respire during the day only
84. Maximum absorption of water in mammals is in:
 a) Lungs b) Skin c) Kidney d) Spleen
85. The absorption of ink by blotting paper involves
 a) viscosity of ink b. Capillary action phenomenon c diffusion of ink
 through the blotting d. siphon action
86. Light year is a unit of
 a. time b. distance c. light d. intensity
 of light
87. Pascal is the unit for
 a. Thrust b. pressure c. frequency d. conductivity
88. Sound travels at the fastest speed in
 a. steel b. water c. air d. vacuum
89. Adipose tissue of fish is formed of
 (a) Protein (b) Amino acid (c) Fat (d)
 Carbohydrate
90. The species which is most suitable for aquaculture is called
 (a) Exotic species (b) Candidate species (c) Subspecies (d)
 Native species
91. First Fisheries college established in India is in
 (a) Kerala (b) Karnataka (c) New Delhi (d)
 Maharashtra
92. Which of the following is a floating weed?
 (a) Water lily (b) Water milfoil (c) Water hyacinth (d)
 None of the above
93. Loaches belong to the family
 (a) Cyprinidae (b) Cobitidae (c) Amblycipitidae (d)
 Sisoridae
94. Dugong dugong is the scientific name of
 (a) Sea otter (b) Dolphin (c) Sea cow (d)
 Whale
95. An artificial fish habitat is
 (a) a construction which provides a habitat for fishes (b) a place where fishes
 are processed
 (c) a place where fishes are sold (d) a place where fishes
 are stocked
96. Heterocercal type of caudal fin is found in
 (a) Scorpion (b) Scoliodon (c) Eel (d)
 Tilapia
97. The ratio between food consumed per unit weight gained by the body is expressed
 by
 (a) Food Conversion Rate (b) Food Absorption Rate (c) Food
 Consumption Rate
 (d) Food Assimilation Rate

- 98) Eyes are absent in
(a) Pelagic fishes (b) Benthic fishes (c) Cave fishes (d)
Brackish water fishes
- 99) An imaginary line on the earth's surface which divides into two poles
(a) Latitude (b) Equator (c) Longitude (d)
Greenwich meridian
- 100) ICAR is
(a) Indian Council of Agricultural Research (b) Indian Coastal
Aquacultural Research
(c) Indian Council of Aquatic Research (d) Institute for Coastal
Research

Research Department of Fisheries & Aquaculture



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ENTRY LEVEL TEST ANALYSIS

Research Department of Fisheries Aquaculture Entry Level Test AFA (2019-21 Batch) July :

INTERNAL QUALITY ASSURANCE CELL, ST. ALBERT'S COLLEGE (AUTONOMOUS), ERNAKULAM					
ENTRY LEVEL TEST ANALYSIS					
DEPARTMENT					
No	Class No	Name	Marks for Entry level test (<i>Out of 100</i>)	greater than 75%	
				between 40 and	
				below 40	
1	8401	HANSHA HASHIM	89	89	
2	8402	ASHWIN VARGHESE	80	80	
3	8403	ALAN JOSEPH	75	75	
4	8404	RAJANANDINI C R	82	82	
5	8405	ARJUN V VIJAYAN	81	81	
6	8406	ASHMI GEORGE	87	87	
7	8407	BEEGUM SALIHA A B	79	79	
8	8408	ALDRIN PONSEKA	70	70	
9	8409	REEJA M J	77	77	
10	8410	STENY JOSEPH	83	83	
11	8411	EVELIN DARIES	79	79	
12	8412	PHILOMIN CHRISTEENA C A	84	84	
13	8413	KEJIN MARTIN	75	75	
14	8414	FROSHIL SHALOM	73	73	
15	8415	VYGIE SANGMA	82	82	
16	8416	AIJINKMEN LYGDOH	80	80	
17	8417	MARGRISHA RANI	77	77	
18	8418	RUTH Z LOTH A	74	74	
19	8419	ALTHAF E A	73	73	
20	8420	GAUTHAM S	80	80	
21	8421	HARITHAMOL M S	77	77	
22					



ENTRY LEVEL TEST 2019

2019-20

NASREEN.V.A

Entry level IQ TEST

1. The next term of the sequence 2,5,10,17,26.
(a) 35 (b) 37 (c) 32 (d) 36 ✓
2. The mean mark in statistics of 100 students in a class was 72. The mean mark of boys was 75, while their number was 70. The mean mark of girls in the class was
(a) 69 (b) 60 (c) 66 (d) 65 ✓
3. If $x : y = 3 : 4$, then the value of $(7x - 4y) : (3x + y)$
(a) 9 : 16 (b) 5 : 13 (c) 7 : 11 (d) 15 : 4 ✗
4. From Trivandrum to Kochi, there are three routes air, rail and road. From Kochi to Kannur, there are two routes, rail and road. From Trivandrum to Kannur (via) Kochi, how many kinds of routes are there?
(a) 5 (b) 3 (c) 6 (d) 7 ✗
5. A ball is drawn from a bag containing 4 white, 6 black and 5 green balls. The probability that a ball drawn is not green
(a) 9/15 (b) 5/15 (c) 10/15 (d) 6/15 ✓
6. Complete it SCD, TEF, UGH, ____, WKL.
(a) CMN (b) UJI (c) VIJ (d) IJT ✓
7. An article is brought for Rs.1200 and is sold for Rs.1500. Find the profit percent.
(a) 25% (b) 30% (c) 20% (d) None of these ✓
8. If FRIEND is coded as HUMJTK, how can CANDLE be written in that code?
(a) DEQJQM (b) DCQHOK (c) EDRIRL (d) ESJFME ✗
9. Forecast: Future : : Regret : ?
(a) Present (b) Atone (c) Past (d) Sins ✓
10. Pointing to a man in a photograph, a woman said, "His brother's father is the only son of my grandfather." How is the woman related to the man in the photograph?
(a) Sister (b) Aunt (c) Grandmother (d) Daughter ✗
11. "I'm loving it" is the tagline of which company?
a. Apple
b. McDonalds
c. Pepsi ✗
d. KFC ✓
12. Chief Executive officer of Apple?
a. Tim Cook
b. Steve jobs
c. Richard Branson ✗
d. Satya Nadalle ✓
13. Father of administrative management?
a. Henry Fayol
b. Peter F Druker
c. FW Taylor ✗
d. Koontz ✓



DEPARTMENT OF BUSINESS ADMINISTRATION

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MARKLIST

SL. NO.	CLASS NO.	NAME	MARKS
1	1601	ADITHYA N PRABHU	14
2	1602	DRISYA P	15
3	1604	SALMAN FARIZ S	12
4	1605	ANTONY LITHIN	14
5	1606	AMAN ANTONY AUGUSTIN	12
6	1607	AYSHA RINAS	14
7	1608	AASHWIN ANTONY T	13
8	1609	ALISTAIR M ROZARIO	15
9	1610	RAHUL JENIN	14

10	1611	THEJUS V RAJ	10
11	1612	SANJEEV YADAV	10
12	1614	DARAL SABU	12
13	1615	AGHI PAUL TITUS	11
14	1616	MOHAMMED FAHIM JABBAR	11
15	1617	LIGIN JOSE PAUL K J	13
16	1618	ANANDHAKRISHNAN P K	12
17	1619	HRIDHYA SUDHARSANAN	12
18	1620	MARY VARSHA	15
19	1621	NIYA P WILSON	12
20	1622	ASHLIN ROY	15
21	1623	EBY JOSEPH P J	13
22	1624	MARY TANIA SIMENTHY	15
23	1625	MARIA SANDRA SALAS	13

24	1626	NASREEN V A	14
25	1627	ALEENA PIOUS	15
26	1628	ARYA SUNIL	15
27	1630	MARY FIYA C T	15



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-----DEPARTMENT OF COMMERCE & RESEARCH CENTRE -----

ENTRY LEVEL TEST (2019)

1. Who has been unanimously elected as the 17th Lok Sabha Speaker?
[A] Dushyant Singh [B] Om Birla [C] Arjun Ram Meghwal
[D] Manoj Rajoria [E] CP Joshi
2. TIDE aims to assist Institutions of Higher learning to strengthen their Technology Incubation Centers and thus enable young entrepreneurs to initiate technology startup companies for commercial exploitation of technologies developed by them. What is the full form of TIDE?
[A] Term Industry and Development of Entrepreneurs
[B] Technology Innovation and Development of Entrepreneurs
[C] Technology Institute and Development of Entrepreneurs
[D] Technology Incubation and Department of Entrepreneurs
[E] Technology Incubation and Development of Entrepreneurs
3. Which country was the first one to implement the Goods and Services Tax(GST)?
[A] USA [B] China [C] Malaysia [D] France
4. Banking regulation act was passed in
[A] 1947 [B] 1948 [C] 1949 [D] 1950
5. Gilt-edged market means:
[A] market of government securities [B] bullion market
[C] market dealing with metals [D] market dealing with exports
6. Establishment expenses of a new machine will be debited to--
[A] Expenses Account [B] Profit and Loss Account
[C] Machinery Account [D] None of the above
7. FEMA stands for--
[A] Foreign Exchange Management Act [B] Funds Exchange Management Act
[C] Finance Enhancement Monetary Act [D] Future Exchange Management Act
8. Which bank launched the world's first automated teller machine (ATM)?
[A] HSBC [B] Citibank [C] Standard chartered [D] Barclays
9. Who is the father of Scientific Management?
[A] Mary Parker Follet [B] Henry Fayol [C] F W Taylor [D] Koontz

10. "Economics is the Science of Wealth". Who gave this definition?
 [A] J K Mehta [B] Marshall
 [C] Adam Smith [D] Robbins
11. Which theory is generally included under Micro economics?
 [A] Price Theory [B] Income Theory
 [C] Employment Theory [D] None of the above
12. Utility means-
 [A] Power to satisfy a want [B] Usefulness
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13. Heavy expenditure to introduce a new product is an example of:
 [A] Revenue expenditure [B] Deferred revenue expenditure
 [C] Capital expenditure [D] None of the above
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 [A] Floating asset [B] a Wasting asset
 [C] a fictitious Asset [D] an intangible asset
15. World Consumers Day is Observed on -----
 [A] March 15 [B] March 25
 [C] April 15 [D] September 24
16. Assets = Liabilities is related to -----
 [A] Dual concept [B] Cost concept
 [C] Going concern [D] All of these
17. Cash book is a form of ----- [A] Trial balance [B] Ledger
 [C] Journal [D] All of the above
18. Indian Partnership Act was passed in the year ----
 [A] 1956 [B] 1936 [C] 1932 [D] 1930
19. In which of the following situations the Partnership will be dissolved?
 [A] On the mistake of partner [B] On the eve of partners illness
 [C] When firm running in losses [D] On the eve of partners death
20. ----- is the apex Bank for agriculture credit
 [A] NABARD [B] SIDBI [C] ICICI [D] RBI
21. The sum of two numbers is 52 and their difference is 2. The numbers are
 [a] 17 and 15 [B] 12 and 10 [C] 27 and 25 [D] None of these
22. Vikas& Co. Account is a -----
 [A] Personal Account [B] Nominal Account
 [C] Real Account [D] None of the above
23. Debit the Receiver and credit the Giver is the rule of -----
 [A] Nominal A/c [B] Personal A/C [C] Real A/C [D] None of these

24. Who was sworn in as Slovakia's first female President? [A] MartinaLubyova [B] ZuzanaCaputova [C] BelaBugar [D]Robert Mistrík [E] Martin Poliacik
25. What is the theme of World Blood Donor Day for the year 2019? [A] Blood connect us all [B] Every pint of blood donated can save more than 3 lives [C] Thank you for saving my life [D] Give freely, give often



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DEPARTMENT OF COMMERCE & RESEARCH CENTRE

MARKLIST

INTERNAL QUALITY ASSURANCE CELL, ST. ALBERT'S COLLEGE (AUTONOMOUS), ERNAKULAM					
ENTRY LEVEL TEST ANALYSIS					
DEPARTMENT		Commerce			
No	Class No	Name	Marks for Entry level test (Out of 100)	greater than 75% between 40 and below 40	
1	2201	BLESSON K SAJI	73	73	
2	2202	AROMAL SUNILKUMAR	48	48	
3	2203	ASHNA P B	44	44	
4	2204	MEGHA MARTIN	44	44	
5	2205	KEERTHY SUNILKUMAR	44	44	
6	2206	DEV C P	56	56	
7	2207	MOHITH MATHEW	64	64	
8	2208	DONA VINCENT	64	64	
9	2209	DEEPAK DINAKARAN	64	64	
10	2210	AMRUTHA P P	44	44	
11	2211	ARSHA M A	52	52	
12	2212	K P AKASH	60	60	
13	2213	NIYA DAVIS	68	68	
14	2214	KRIPA SURESH	72	72	
15	2215	ASHLI A S	48	48	
16	2216	AVANI M V	36	36	
17	2217	NAVIN V D	52	52	
18	2218	ANAGHA DINESH	52	52	
19	2219	LETTA N T	40	40	
20	2220	REVATHY VIJAYAN	36	36	
21	2221	MEENAKSHY SANTHOSH	44	44	
22	2222	K S ARYA	36	36	
23	2223	ARSHIYA A U	56	56	
24	2224	ANUCHAND	56	56	
25	2225	MARY ANGEL FERNANDEZ	48	48	
26	2226	NAYANTHARA A S	56	56	
27	2227	GAIPUICHUNG ABEL RONGMEI	28	28	
28	2228	NITA MAREEN JOY	44	44	
29	2229	ATHIRA ELIZABETH V J	48	48	
30	2230	ALINA VIVERA	44	44	
31	2231	ROHITH ANTONY P J	56	56	
32	2232	METILDA SANTIYA K V	48	48	
33	2233	MISHMA MARIA	60	60	
34	2234	BEFIN NORBEL	36	36	
35	2235	MANEESH MILLAN	56	56	
36	2236	JAMES J WILSON	72	72	
37	2237	LIYA RAJU	48	48	
38	2238	ROBIN PAUL	48	48	
39	2239	ALINA VINCENT FIGARADO	44	44	
40	2240	ABHINANDH T M	40	40	
41	2241	AJAY KRISHNA K V	48	48	
42	2242	VIOLET KB	44	44	
43	2243	ARYA S JOHN	60	60	
44	2244	NEEMA GOPI	48	48	
45	2245	Ramitha M R	64	64	
46	2246	BRITNEY MARIA P.B	44	44	
47	2247	TREESA TISHA JOSEPH	44	44	
48	2248	NEHA MARTIN	40	40	
49	2249	LIZ LAL	56	56	
50	2250	ROHITH P S	36	36	



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[C] Thank you for saving my life

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DEPARTMENT OF COMMERCE & RESEARCH CENTRE

INTERNAL QUALITY ASSURANCE CELL, ST. ALBERT'S COLLEGE (AUTONOMOUS), ERNAKULAM					
ENTRY LEVEL TEST ANALYSIS					
DEPARTMENT					
No	Class No	Name	Marks for Entry level test (Out of 100)	greater than 75% between 40 and below 40	
1	1901	FATHIMA SIDHIK	50	50	
2	1902	ROHITH R	63	63	
3	1903	PARVATHY JYOTHI	56	56	
4	1904	ANTONIO JAMASTIN	50	50	
5	1905	UMMUKULSU VENUS	56	56	
6	1906	HASNA V Y	40	40	
7	1907	THOMAS TIXON D'SILVA	56	56	
8	1908	GHREIG A MATHEW	50	50	
9	1909	AGNES MARIYA K	56	56	
10	1910	FREEDA ANTONY	43	43	
11	1911	NIYA VARGHESE	46	46	
12	1912	HEWETT JOEL	26	26	
13	1913	T S PARVATHY	56	56	
14	1914	GINO C ANTONY	46	46	
15	1915	REJEELA SMIJA C GEORGE	50	50	
16	1916	NIJO RAPHEL	60	60	
17	1917	NILA JESHY	36	36	
18	1918	ANDRIA WALTER	50	50	
19	1919	SRINIVAS S KAMATH	50	50	
20	1920	MALAVIKA RAJEEV	53	53	
21	1921	SREELAKSHMI T S	56	56	
22	1922	NEHA BIJU	46	46	
23	1923	ARSHA J	63	63	
24	1924	AISWARYA LAKSHMI K J	50	50	
25	1925	UDITH S	50	50	
26	1926	SHAFIR M S	46	46	
27	1927	SAHYA SUNNY	56	56	
28	1928	ISSAC AMBROSE	46	46	
29	1929	SEENUMOL JAYACHANDRAN	53	53	
30	1930	FEBIN PAUL SYPRIAN KONNULY	40	40	
31	1931	VEENA SUNIL	36	36	
32	1932	ELSA MARY V J	46	46	
33	1933	ALAN PETER T A	56	56	
34	1934	MARY JASMINE A M	46	46	
35	1935	ELVIS BINU	53	53	
36	1936	MERIN JOYCE	46	46	
37	1937	ROHAN JAMES	46	46	
38	1938	GEORGE J RON	36	36	
39	1939	CIMNA ELISWA	46	46	
40	1940	AJAY RANJAN	40	40	
41	1941	BEEBI SAHEERA K P	23	23	

Banerji Road, Ernakulam, Kochi-682018 Kerala, India | Ph: Office: 0484-2394225

E-mail: commerce@alberts.edu.in | commercesf@alberts.edu.in | commercedepartment@alberts.edu.in



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DEPARTMENT OF ENGLISH

ENTRY LEVEL TEST

ENGLISH LITERATURE (2019-21)

St Albert's College (Autonomous), Ernakulam

Department of ENGLISH

Entry - Level Test for First Year UG Students, July 2019

Time: 1 hr

Marks: 50

Answer the following questions:

- 1) Mark the subject and the predicate of the following sentence: (2)
The cackling of geese saved Rome.
- 2) Mark the phrase and the clause of the following sentence: (2)
The sun rises in the east.
- 3) Fill in the blanks using appropriate articles:
 - a) The world is _____ beautiful place. (4)
 - b) She is _____ untidy girl. (4)
- 4) Fill in the blanks with appropriate comparatives or superlatives:
 - a) Prevention is _____ than cure. (4)
 - b) Amala is the _____ girl in the class. (4)
- 5) Write an essay on the topic 'Recent Flood Havoc in Kerala.' (15)
- 6) Write a telephonic conversation with your class teacher seeking permission for a leave. (15)



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DEPARTMENT OF ENGLISH

INTERNAL QUALITY ASSURANCE CELL, ST. ALBERT'S COLLEGE (AUTONOMOUS), ERNAKULAM					
ENTRY LEVEL TEST ANALYSIS					
DEPARTMENT		Name	Marks for Entry level test (Out of 100)	greater than 75%	
No	Class No			between 40 and 74	below 40
1	1301	Mary Limisha P.L	66		
2	1302	Sruthi Suresh	60		
3	1303	Megha Merlin	60		
4	1304	Lydhiya Mary	66		
5	1305	Anagha K.K	56		
6	1306	Anjitha Sathyan	40		
7	1307	Aleena Catherine Skaria	70		
8	1308	Aneena Sebastian	70		
9	1309	Aadit Sharon B.S	76		
10	1310	Anila Maria	76		
11	1311	Nekha George	60		
12	1312	Francis F.J	66		
13	1313	Amal Rex John	86		
14	1314	Ashil Antony K.K			
15	1315	Anaswara Dileep	46		
16	1316	Archa Das P A	36		
17	1317	Emil George	26		
18	1318	P.R Thadhagath	40		
19	1319	Elizabeth Saniya K.S	70		
20	1320	Swetha S. Pai			
21	1321	Prijin John	70		
22	1322	Han Hayden P.B			
23	1323	Mohamed Yazeen K.N			
24	1324	Aiswariya V.R	40		
25					



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DEPARTMENT OF ENGLISH

ENTRY LEVEL TEST

MA ENGLISH LITERATURE (2019-21)

1. Refer to the following passage for questions 1 to 7. (2*7=14)

Many great inventions are initially greeted with ridicule and disbelief. The invention of the airplane was no exception. Although many people who heard about the first powered flight on December 17, 1903 were excited and impressed, others reacted with peals of laughter. The idea of flying an aircraft was repulsive to some people. Such people called Wilbur and Orville Wright, the inventors of the first flying machine, impulsive fools. Negative reactions, however, did not stop the Wrights. Impelled by their desire to succeed, they continued their experiments in aviation.

Orville and Wilbur Wright had always had a compelling interest in aeronautics and mechanics. As young boys they earned money by making and selling kites and mechanical toys. Later, they designed a newspaper-folding machine, built a printing press, and operated a bicycle-repair shop. In 1896, when they read about the death of Otto Lilienthal, the brothers' interest in flight grew into a compulsion.

Lilienthal, a pioneer in hang-gliding, had controlled his gliders by shifting his body in the desired direction. This idea was repellent to the Wright brothers, however, and they searched for more efficient methods to control the balance of airborne vehicles. In 1900 and 1901, the Wrights tested numerous gliders and developed control techniques. The brothers' inability to obtain enough lift power for the gliders almost led them to abandon their efforts.

After further study, the Wright brothers concluded that the published tables of air pressure on curved surfaces must be wrong. They set up a wind tunnel and began a series of experiments with model wings. Because of their efforts, the old tables were repealed in time and replaced by the first reliable figures for air pressure on curved surfaces. This work, in turn, made it possible for the brothers to design a machine that would fly. In 1903 the Wrights built their first airplane, which cost less than \$1,000. They even designed and built their own source of propulsion—a lightweight gasoline engine. When they started the engine on December 17, the airplane pulsed wildly before taking off. The plane managed to stay aloft for 12 seconds, however, and it flew 120 feet.

By 1905, the Wrights had perfected the first airplane that could turn, circle, and remain airborne for half an hour at a time. Others had flown in balloons and hang gliders, but the Wright brothers were the first to build a full-size machine that could fly under its own power. As the contributors of one of the most outstanding engineering achievements in history, the Wright brothers are accurately called the fathers of aviation.

40. The idea of flying an aircraft was _____ to some people.

1. boring
2. distasteful
3. exciting
4. needless
5. Answer not available

41. People thought that the Wright brothers had _____.

1. acted without thinking
2. been negatively influenced
3. been too cautious
4. been mistaken
5. acted in a negative way

42. The Wrights' interest in flight grew into a _____.

1. financial empire
2. plan
3. need to act
4. foolish thought
5. Answer not available

43. Lilienthal's idea about controlling airborne vehicles was _____ the Wrights.

1. proven wrong by
2. opposite to the ideas of
3. disliked by
4. accepted by
5. improved by

44. The old tables were _____ and replaced by the first reliable figures for air pressure on curved surfaces.

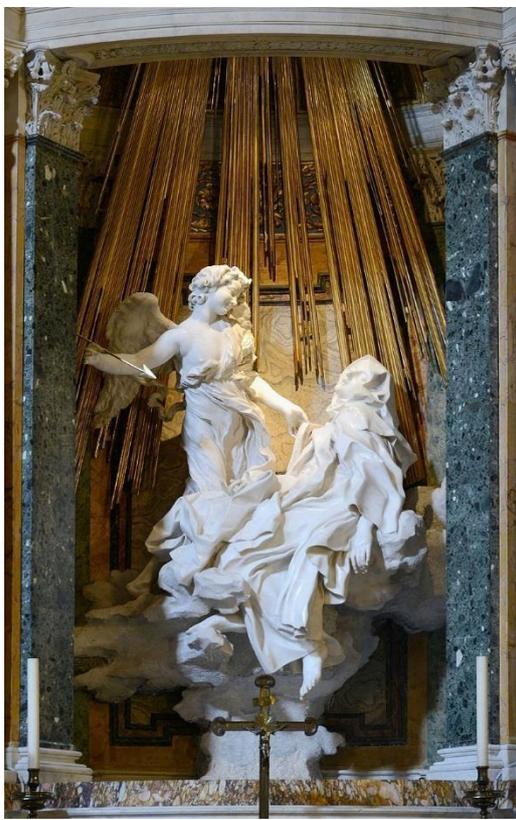
1. destroyed
2. invalidated
3. multiplied
4. approved
5. not used

45. The Wrights designed and built their own source of _____.

1. force for moving forward
2. force for turning around
3. turning
4. force for going backward
5. None of the above

2.define phonetics and linguistics(2*3=6 marks)

3.Write a description on the sculpture The Ecstasy of St. Theresa given below;-(1*10=10 marks)



4. I love to rise in a
summer morn,
 When the birds sing
on every tree; The distant huntsman
winds his horn, And the skylark
sings with me:
 O what sweet
company!

 But to go to school
in a summer morn,- O! It drives all
joy away!

 Under a
cruel eye outworn, The
little ones spend the day
In sighing and dismay.

 Analyse the
poem(1*10=10 marks)

5. "I'm a means, a stage, a cow in calf. / I've eaten a bag of green apples, / Boarded the train
there's no getting off."

Sylvia Plath, "Metaphors," p. 116

Give a reading to the above lines(1*10=10 marks)



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DEPARTMENT OF ENGLISH

ENTRY LEVEL TEST ANALYSIS

SL. NO.	Class No:	NAME	Marks
1	7801	SHALU JOHNSON	64
2	7802	ARATHI SALEEF	82
3	7803	ANAGHA CHANDRAN	64
4	7804	UMAIBA AYOOB T A	54
5	7805	ALKKA MARY.K.J	78
6	7806	ASHNA THOMAS	64
7	7807	NAZREEN M.M	64
8	7809	SAMERINA MARY . E . B	60
9	7810	SENIYA P S	74
10	7814	JENSHI XAVIER	64
11	7815	DEVNA VIJAY	52

12	7816	AKHILA KUNJUMON	76
13	7817	P AMOLK RAVI	84
14	7818	NIMISHA JOSEPH	52
15	7819	ABINA MARIA SELIN	50
16	7820	RESHMA ANTONY	62
17	7821	BISMI MOIDEEN	60
18	7822	SUNIT SUDHAKAR	64
19	7824	NEENA S MOHAN	62

- 1) There were 12 students in a particular Class. The class teacher knows the overall height of all the students in the class is 1400. Can you find the average height of students in the class?
a) 110.84 c) 122.5
b) 116.67 d) None of the above
- 2) Find the next number in the the below series
a) 110 c) 112
b) 107 d) 111
- 3) The Paralympics is a competition for the _____
a) Disadvantaged c) Despised
b) Disabled d) None of these
- 4) _____ she is clever, she often makes mistakes
a) Although c) Since
b) Despite d) Yet
- 5) The _____ were arrested for illegally hunting the bears.
a) Rangers c) Poachers
b) Soldiers d) Villagers
- 6) Find the odd one out
a) Hypothesis c) Experiment
b) Assumption d) Observation
- 7) Aberration : Normality :: Decay : ?
a) Ache c) Destroy
b) Development d) Scheme
- 8) If A is coded as +, B is coded as -, C is coded as * and D is coded as / then evaluate 8 A 3 B 2 C 24 D 4 C 3?
a) -25 c) -5
b) -15 d) -23
- 9) When Anuj saw Manish, he recalled, "He is the son of the father of my daughter." Who is Manish?
a) Brother in law c) Uncle
b) Brother d) None of the above
- 10) A shopkeeper buys bananas at 15 for Rs 12 and sells at 12 for Rs.15. Find his gain or loss percent.
a) 56.25 % c) 68.25%
b) 59.35% d) None of the above
- 11) Peter bought a laptop for Rs. 24,700, which he later sold to John for Rs. 26000. Find the profit percentage.
a) 5% c) 7%
b) 5.5% d) 8%
- 12) January 1, 2008 is Tuesday. What day of the week lies on January 1, 2009?
a) Sunday c) Friday
b) Thursday d) Monday
- 13) Today is Monday. After 61 days, it will be ...
a) Friday c) Monday
b) Thursday d) Wednesday
- 14) These are specially designed computers that perform complex calculations extremely rapidly
a) Mainframe c) Laptops
b) Servers d) super computers
- 15) Servers are computers that provide resources to other computers connected to a :
a) Network c) Mainframe
b) Client d) super computer
- 16) Which is a set of computer programs used on a computer to help perform tasks
a) Instruction c) Software
b) Processor d) Memory
- 17) Computers use the _____ language to process data
a) Processing c) Binary
b) Kilobyte d) None of these
- 18) The First person to get Paramveer Chakra was _____.
a) Major Saurabh Kalia
b) Captain Vikram Batra
c) Major Somnath Sharma
d) None of the above
- 19) "281 and Beyond" is an autobiography of _____
a) Sachin Tendulkar c) V V S Laxman
b) Saurav Ganguly d) Rahul Dravid
- 20) Which airline is set to become the first Indian airline to fly over the North Pole?
a) Jet Airways c) Air India
b) SpiceJet d) IndiGo

ENTRY LEVEL TEST ANALYSIS

DEPARTMENT OF MATHEMATICS

ENTRY - LEVEL TEST - MSC, JULY 2019

ST. ALBERT'S COLLEGE (AUTONOMOUS), ERNAKULAM

M. Sc Mathematics (2019-21)

Entry Level Test - Marks

Max. Mark. 30

Sl. No.	Class No.	Name	Marks Obtained	%	Category
1	9001	NEMI POULIN	12	40	Poor
2	9002	RIYA BIJU	22	73.3	Good
3	9003	NIVIN JOHNY	12	40	Poor
4	9004	RIYA ROY	18	60	Good
5	9005	NIYA JOSEPH	8	26.7	Poor
6	9006	SANDRA ANTONY	10	33.3	Poor
7	9007	ANN MARY TEENA K S	10	33.3	Poor
8	9008	ATHIRA SURESH	-	-	
9	9009	SREEJA SREENIVASAN	16	53.3	Good
10	9010	IMMANUEL C J	-	-	
11	9011	RINZA BENEDICT	6	20	Poor
12	9012	SANDRA SUDHEER	12	40	Poor
13	9013	ATHULYA SURESH	20	66.7	Good
14	9014	JESNA CICILIA ROCKS	-	-	-
15	9015	TREESA RESHMA A J	-	-	-

Category	No. of Students
Excellent	0
Good	4
Poor	7

Greater than 75%
Between 40 and 74
Below 40



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DEPARTMENT OF RENEWABLE ENERGY

ENTRY - LEVEL TEST FOR FIRST YEAR UG STUDENTS, JULY 2019

MATHS

- $A \cup B = A \cap B$ if and only if
(a) $A \subset B$ (b) $B \subset A$ (c) $A = B$ (d) None of these
- $a + ib$ form of $i^3 + i^{20} - i^5 + i^{11}$ is (a) $1 - 3i$ (b) $-1 + 2i$ (c) $-1 + 3i$ (d) $-1 - 2i$
- $\lim_{x \rightarrow -4} (x + 3)^{1984} =$
(a) 0 (b) 1 (c) -1 (d) Cannot be determined
- Derivative of $\sin(x^2 + x)$
(a) $\cos(x^2 + x) 2x$ (b) $\cos(x^2 + x)$ (c) $\cos(x^2 + x) (2x + 1)$ (d) $-\cos(2x + 1)$
- The mean marks obtained by 50 boys in a class is 40 and mean marks of 30 girls of the same class is 46. Then the mean of the marks of all students taken together.
(a) 50 (b) 42.25 (c) 35 (d) 35.75
- Identify the best measure of dispersion
(a) Range (b) Quartile Deviation (c) Mean Deviation (d) Standard Deviation
- If A is an empty set then number of elements in its power set
(a) 0 (b) 1 (c) Infinite (d) Cannot be determined
- A square matrix B is said to be symmetric if
(a) $A = A^t$ (b) $-A = A^t$ (c) $\det(A) = 1$ (d) None of these
- Determinant value of Identity matrix of order three is
(a) 1 (b) 0 (c) 3 (d) -1
- The next term of the sequence 2, 5, 10, 17, 26,
(a) 35 (b) 37 (c) 32 (d) 36
- From Trivandrum to Kochi, there are three routes air, rail and road. From Kochi to Kannur, there are two routes, rail and road. From Trivandrum to Kannur (via) Kochi, how many kinds of routes are there ?
(a) 3 (b) 4 (c) 5 (d) 6
- If FRIEND is coded as HUMJTK, how can CANDLE be written in that code?
(a) DEQJQM (b) DCQHQB (c) EDRIRL (d) ESJFME
- Architect : Building :: Sculptor : ?
(a) Museum (b) Chisel (c) Stone (d) Statue

14. Find the odd one out

(a) Circle : Arc (b) Chair : Leg (c) Flower : Petal (d) Cover : Page

15. 6, 11, 21, 36, 56, ...

(a) 42 (b) 91 (c) 81 (d) 51

Renewable Energy

1. Which of the following is a nonrenewable resource?

(a) Coal (b) Forests (c) Water (d) Wildlife

2. Which of the following is a disadvantage of most renewable energy sources?

(a) Highly polluting (b) High waste disposal cost
(c) Unreliable supply (d) High running cost

3. Photovoltaic energy is the conversion of sunlight into:

(a) Chemical energy (b) Biogas (c) Electricity (d) Geothermal energy

4. Horizontal axis and vertical axis are the types of:

(a) Nuclear reactor (b) Wind mills (c) Biogas reactor (d) Solar cell

5. Which among the following is not an adverse environmental impact of tidal power generation?

(a) Interference with spawning and migration of fish
(b) Pollution and health hazard in the estuary due to blockage of flow of polluted water into the sea
(c) Navigational hazard
(d) None of the above

6. A fuel cell, in order to produce electricity, burns:

(a) Helium (b) Nitrogen (c) Hydrogen (d) None of the above

7. Both power and manure is provided by:

(a) Nuclear plants (b) Thermal plants (c) Biogas plants (d) Hydroelectric plant

8. The outermost layer of the earth is:

(a) Magma (b) Mantle (c) Crust (d) Solid iron core

9. Common energy source in Indian villages is:

(a) Electricity (b) Coal (c) Sun (d) Wood and animal dung

10. The one thing that is common to all fossil fuels is that they:

(a) Were originally formed in marine environment
(b) Contain carbon
(c) Have undergone the same set of geological processes during their formation
(d) Represent the remains of one living organisms

11. Lignite, bituminous and anthracite are different ranks of:

(a) Nuclear fuel (b) Coal (c) Natural gas (d) Biogas

12. Crude oil is:

(a) Colourless (b) Odourless (c) Smelly yellow to black liquid
(d) Odourless yellow to black liquid

13. BTU is measurement of:

(a) Volume (b) Area (c) Heat content (d) Temperature

14. The following is (are) the visible sign(s) of the large amount of heat lying in the earth's interior.

(A) Volcanoes (B) Geysers (C) Hot springs (D) All of the above

15. The molten rock within the earth is

(A) Igneous (B) Magma (C) Sedimentary (D) Metamorphic

CHEMISTRY

1. The rate of a chemical reaction may be influenced by
 - a) the concentration of the reactants
 - b) the physical nature of the reactants
 - c) the presence of a catalyst
 - d) all of the above
2. Which of the following is not an allotrope of carbon
 - i) Diamond
 - j) Graphite
 - k) C₆₀
 - l) C₂₂
3. The most electronegative element among the following is
 - m) Sodium
 - n) Bromine
 - o) Fluorine,
 - p) Oxygen
22. The gas present in the stratosphere which filters out some of the sun's ultraviolet light and provides an effective shield against radiation damage to living things is
 - c) Oxygen
 - (b) Ozone
 - (c) Helium
 - (d) Methane
23. The primary component of natural gas is
 - c) Butane
 - (b) Methane.
 - (c) Propane
 - (d) Ethane
26. Which one is Avogadro number?
 - i) 6.023×10^{23}
 - j) 6.023×10^{19}
 - k) 1.56×10^{19}
 - l) 62.03×10^{19}
27. The graphite rods in the nuclear reactor
 - i) Produce neutrons
 - j) React with fuel "U" to release energy
 - k) Convert fast moving neutrons in to thermal neutrons
 - l) Undergo combustion which triggers the nuclear reactions.
28. Process in which substance gains electrons is called
 - i) Oxidation
 - j) Hydrogenation
 - k) Sublimation
 - l) Reduction
29. An electrolytic cell uses electrical energy to drive
 - i) chemical reaction
 - j) physical reaction
 - k) no reaction
 - l) none of above
30. A physical process that occurs by itself are called

- i) Thermodynamic process
- j) Spontaneous process
- k) Non spontaneous process
- l) Fast process.

PHYSICS

1. Who discovered Atom ?
 - a) Madam Curie (b) James Chadwick (c) Rutherford (d) John Dalton
2. Radiocarbon is produced in the atmosphere as a result of
 - a) collision between fast neutrons and nitrogen nuclei present in the atmosphere
 - b) action of ultraviolet light from the sun on atmospheric oxygen
 - c) action of solar radiations particularly cosmic rays on carbon dioxide present in the atmosphere
 - d) lightning discharge in atmosphere
3. Light year is a unit of
 - a) Time (b) Light (c) Distance (d) Intensity of light
4. Newton is used to measure
 - a) Speed (b) Volume (c) Force (d) Area
5. What is the unit of Work and Energy?
 - a) Joule (b) kilogram (c) ampere (d) meter
6. The rotational effect of a force on a body about an axis of rotation is described in terms of
 - a) Centre of gravity (b) Centripetal force (c) Centrifugal force (d) Moment of force
7. Energy possessed by a body in motion is called
 - a) Kinetic Energy (b) Potential Energy (c) Both of Above (d) None of Above
8. Which of the following is an electromagnetic wave ?
 - a) Cathode rays (b) Sound wave (c) Ultrasonic wave (d) Infrared rays
9. **What is the refractive index?**
 - a) It is defined as the ratio of speed of light in the medium to the speed of light in vacuum.
 - b) It is defined as the ratio of speed of light in vacuum to the speed of light in the medium .
 - c) It is defined as the product of speed of light in medium and in vacuum.
 - d) None of above
10. The nuclear reaction in which a heavy nucleus splits into two nuclei of nearly equal mass is called
 - a) Nuclear fusion (b) Nuclear fission (c) Nuclear reaction (d) Fast breeding



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DEPARTMENT OF RENEWABLE ENERGY

ENTRY LEVEL TEST FOR FIRST YEAR UG STUDENTS – JULY 2019

SL. NO.	CLASS NO.	NAME OF THE STUDENT	MARKS (OUT OF 50)
1	6102	Silvanos Saju	29
2	6103	Roshan K R	25
3	6104	Glen George	25
4	6106	Jacob Jude	41
5	6107	Antony Jude	31
6	6108	Aparna Santhosh	Ab
7	6109	Jerrin Joseph	23
8	6110	Jain K Joseph	22
9	6111	Levin George	36
10	6112	Jeferin Edward	22
11	6113	Joe K Xavier	33
12	6114	Riyan T Rosen	30
13	6115	Ronald Reagan	32
14	6116	Adarsh P V	28
15	6118	Anju Shaji	19
16	6120	Ananthakrishna Murali	26
17	6121	Isabel Johnson	27
18	6122	Lilly Sona B	27
19	6123	Mary Magdalene S S	26
20	6124	Safvana Rahim	31
21	6125	Jesna Paul	35
22	6126	Malavika R	27
23	6127	Anoosha John	23
24	6128	Abeena Basheer	15
25	6129	Steyo M X	18
26	6130	Abhijith K	21
27	6131	Ephrayim Sumith Joseph	28
28	6132	Haritha K B	23
29	6133	Rosey Jisna	22

30	6134	Abal Biju	22
31	6136	Afrin Ali	22
32	6137	Delvin Manual	Ab
33	6138	Joycy Johnson	21
34	6139	Leonard Loveson	38
35	6140	Vishnu Raj K	27
36	6142	Joseph Lidwin Lopez	26
37	6143	Akshaya A A	26
38	6145	Denil Alex	24
39	6147	Sreelakshmi S	25
40	6148	Adarsh Krishna	Ab
41	6149	Suhail Ahamed	30

Time:1 Hour

Maximum Marks:

60

- Dimensions of gravitational constant G are
 - $M^{-1}L^3T^{-2}$
 - ML^3T^{-2}
 - $M^0L^3T^{-1}$
 - $M^{-2}L^1T^3$
- The working of a jet airplane is based on Newton's
 - First law of motion
 - Second law of motion
 - Third law of motion
 - Law of gravitation
- Error that occurs due to equally affected measurements is called
 - Random Error
 - Systematic Error
 - Frequent Error
 - Precision
- The shape of a magnetic field around a long straight current carrying wire is:
 - elliptical
 - square
 - varies depending on the magnitude of the current
 - circular
- The electric field of a point charge varies:
 - linearly with distance and inversely with charge
 - linearly with distance and inversely with charge squared
 - linearly with charge and inversely with distance squared
 - linearly with charge and inversely with distance
- At a point directly east of a negative point charge, the electric field points in what direction?
 - East
 - West
 - North
 - South
- If the resultant force acting on a body of constant mass is zero, the body's acceleration is:
 - Increasing
 - Decreasing
 - Always zero
 - Negative.
- Two bodies each have a mass ' M '. If the mass of each body is doubled, the gravitational force of attraction between the two bodies is:
 - Double the original force
 - 4 times the original force
 - $\frac{1}{4}$ the original force
 - Unchanged
- For a body to be in equilibrium, which of the following conditions must exist?
 - The sum of the forces acting on the body must be equal to zero.
 - No forces may be acting on the body.
 - The body must be accelerating.
 - The velocity of the body must be zero.

10. A man picks up a 50 kilogram block and carries it up a flight of stairs 10 meters high. He then carries the block back down the stairs and places the block in its original position. What is the NET work done on the block?
- A) 0 joules
 - B) 750 joules
 - C) 500 joules
 - D) 1000 joules
11. An automobile needs an antenna for its radio to play properly because:
- A) The automobile's tires insulate it from the ground.
 - B) The automobile's body acts as a Faraday cage.
 - C) When the automobile moves, the velocity of the radio signal appears changed with respect to when it is at rest.
 - D) The transmitter also uses an antenna.
12. The dominant charge carriers in p-type semiconductors are:
- A) neutrons
 - B) electrons
 - C) protons
 - D) holes
13. What reflecting surface forms a geometrically perfect image of a point source located at infinity (such as that approximated by a star)?
- A) Paraboloid
 - B) Ellipsoid
 - C) Spherical
 - D) Hyperboloid
14. The magnitude of the quarks' electric charge is:
- A) Zero.
 - B) Greater than the electron's charge.
 - C) Less than the electron's charge.
 - D) Equal to the electron's charge.
15. Planck's constant was first introduced in order to obtain a correct theoretical prediction of:
- A) the distribution of frequencies occurring in black body radiation.
 - B) the energy produced by the transformation of mass into energy.
 - C) the speed of light.
 - D) lifetime of the neutron.
16. A proton and an alpha particle pass through the gap of a strong magnet. If both particles have the same initial velocity, how many times greater will the deflection of the proton be relative to the deflection of the alpha particle? Will it be:
- A) the same
 - B) 2 times
 - C) 4 times
 - D) 8 times
17. The principle that energy may be converted from one form to another but it cannot be either created or destroyed is:
- A) Zeroth Law of Thermodynamics.
 - B) First Law of Thermodynamics.
 - C) Second Law of Thermodynamics.
 - D) Third Law of Thermodynamics.
18. In EXTRA-TERRESTRIAL SPACE, heat is transferred by:
- A) Conduction
 - B) Convection
 - C) Conduction and Convection
 - D) Radiation
19. Of the following, the most energetic form of NON-IONIZING radiation is:
- A) Near Ultraviolet light
 - B) Infra-red light
 - C) Radio waves
 - D) Microwaves

20. In one atmosphere, a cylinder with movable piston contains 2,000 milliliters of gas. If the pressure is increased to 5 atmospheres and the temperature remains unchanged, what is the new volume of the gas?
- A) 1000 milliliters
 - B) 400 milliliters
 - C) 100 milliliters
 - D) 10 milliliters
21. A projectile is fired into the air at an angle of 23 degrees. At what other angle would this projectile have the same range if air resistance is neglected?
- A) 46 degrees
 - B) 60 degrees
 - C) 67 degrees
 - D) 68 degrees
22. Rounded to the nearest day, the Mercurian year is equal to:
- A) 111 days
 - B) 88 days
 - C) 50 days
 - D) 25 days
23. The Andromeda Galaxy is which of the following types of galaxies?
- A) Spiral
 - B) Elliptical
 - C) Barred-spiral
 - D) Irregular
24. Which civilization developed and implemented the first solar calendar?
- A) Babylonian
 - B) Greek
 - C) Egyptian
 - D) Aztec
25. A 5 kilogram mass is lifted at constant velocity from a shop floor by a rope that passes through a pulley attached to the shop's ceiling. Neglecting the mass of the rope and friction in the pulley, what is the approximate tension in the rope?
- A) 100 Newtons
 - B) 5 Newtons
 - C) 25 Newtons
 - D) 50 Newtons
26. The index of refraction of a plastic material is 1.5. The speed of light in this material relative to that in a vacuum is:
- A) 2
 - B) 1.5
 - C) $\frac{2}{3}$
 - D) $\frac{1}{2}$
27. What percentage of the earth's atmosphere does O₂ comprise(Approx.)?
- A) 75%
 - B) 50%
 - C) 21%
 - D) 32%
28. What happens to the period of a pendulum if the mass of the bob is quadrupled?
- A) It is cut in half
 - B) It stays the same
 - C) It is doubled
 - D) It is quadrupled
29. A spaceship traveling toward Mars at 0.6 times the speed of light c shoots an ELECTRON beam at Mars. If the electrons travel at 0.6 c RELATIVE TO THE SPACESHIP, at what speed do the electrons impact the surface of Mars?
- A) 0.6 c
 - B) 0.88 c

- C) 1.2 c
D) 1.34 c
30. Two identical resistors are connected in parallel and consume 200 watts together. A third identical resistor is added in parallel. The total power consumed is:
A) 100 watts
B) 200 watts
C) 300 watts
D) 400 watts
31. The first reflecting telescope was built by:
A) Galileo
B) Copernicus
C) Tycho Brahe
D) Isaac Newton
32. The Doppler Effect predicts that the spectrum of light from a visible body moving AWAY from the Earth will experience a shift in frequency when viewed from Earth. This particular shift is known as the:
A) Red shift
B) Blue shift
C) Neutral shift
D) Dirac shift
33. How many atoms per unit cell are in a face-centered-cubic crystal?
A) two
B) four
C) six
D) eight
34. What is the hydrostatic pressure at the bottom of a pool 6 meters deep?
A) 60,000 Newtons per meter squared
B) 6,000 Newtons per meter squared
C) 600 Newtons per meter squared
D) 60 Newtons per meter squared
35. An electron is classified as a:
A) boson
B) nucleon
C) fermion
D) meson
36. The Grand Unified Theory of the forces of nature combines three of the four forces. Which force is NOT included? A) gravitational
B) electromagnetic
C) weak nuclear
D) strong nuclear
37. Consider a car driving around a circular bend in the road. Which of the following CANNOT be constant? A) velocity of car
B) speed of car
C) non relativistic mass of car
D) angular momentum of the car about the center of the circle
38. Rest mass energy of an electron is
A) 1.02 MeV
B) 0.511KeV
C) 0.511 MeV
D) 2.02 MeV
39. The oxygen in the earth's atmosphere was probably produced by which of the following?
A) meteors
B) photosynthetic organisms
C) radioactive minerals
D) All of the above

40. Which of the following is the most important erosional and transportation agent?
- wind
 - water
 - glaciers
 - none of the above
41. The same side of the moon always faces the Earth because:
- the moon is not rotating about its axis.
 - the moon's motion was fixed at its creation by the laws of inertia.
 - tidal forces keep the moon's rotation and orbiting motion in sync with each other.
 - the moon's magnetic poles keep aligned with the Earth's magnetic field.
42. A hiker stands at the bottom of a steep hill. The hiker may follow a straight line path to the top of the hill, a distance of 300 feet, or she may follow a zig-zag path to the top of the hill and walk a distance of 600 feet. The work done by the force of gravity along the zig-zag path is how many times the work done along the straight path? Is it:
- equal
 - twice
 - 4 times
 - 8 times
43. An electron is moved through a potential difference of 1 volt. How much energy in joules was used to move the electron?
- 1.6×10^{-19} Joules
 - 2.6×10^{-19} Joules
 - 1.6×10^{-18} Joules
 - 2.6×10^{-18} Joules
44. A string of length L is fixed between two points. If a standing wave of 5 nodes is produced, what is the relationship between the string's length, L , and its wavelength?
- $\frac{1}{2.5L}$
 - $\frac{1}{10L}$
 - $\frac{1}{2L}$
 - $\frac{1}{5L}$
45. Two point masses, M_1 and M_2 , are 14 centimeters apart. M_1 has a mass of 2 grams. M_2 has a mass of 5 grams. Locate the center-of-mass of this system.
- 4 cm from M_1
 - 4 cm from M_2
 - 5 cm from M_2
 - 7 cm from M_1
46. In the Compton Effect, a photon of wavelength λ collides with a stationary electron. The wavelength of the emitted photon is:
- the same as λ
 - longer than λ
 - shorter than λ
 - no photon is emitted
47. Which of the following is NOT closely associated with a non-magnetic Phase Diagram?
- Eutectic Temperature
 - Solidus
 - Liquidus Curves
 - Curie Point
48. Which of the following will increase the ANGULAR MOMENTUM of a person spinning on a rotatable frictionless bar chair?
- moving the arms closer to the body
 - moving the arms farther from the body
 - moving one arm farther from the body and the other arm closer to the body with spastic repetition
 - none of these

49. For the hydrogen atom, which series describes electron transitions to the $N = 2$ orbit? Is it the:
- A) Lyman series
 - B) Paschen series
 - C) Balmer series
 - D) Pfund series
50. A girl throws a 2 kilogram rock vertically upward. It reaches a maximum height of 5 meters. What is the kinetic energy of the rock the instant it leaves the girl's hand?
- A) 100 Joules
 - B) 1000 Joules
 - C) 10 Joules
 - D) 1 Joule
51. The angle between the velocity and acceleration of a body is:
- A) never 90 degrees
 - B) never 180 degrees
 - C) sometimes 180 degrees
 - D) never 0 degrees
52. At a point halfway between two identical point charges, the electric field is equal to:
- A) zero
 - B) half its maximum value
 - C) its maximum value
 - D) pointing away from the two charges
53. Which one of the following laws best describes the operation of an electric generator?
- A) Ampere's Law
 - B) Gauss' Law
 - C) Ohm's Law for Conductors
 - D) Faraday's Law of Induction
54. Carlos is pulling a 40 kilogram cart with a horizontal force of 100 Newtons. The force of friction on the cart is 20 Newtons. The acceleration of the cart is:
- A) 2 meters per second squared
 - B) 2.5 meters per second squared
 - C) 20 meters per second squared
 - D) 200 meters per second squared
55. A 10 kilogram object falls from a cliff 100 meters high. At the midpoint of its fall its total energy is:
- A) 2450 Joules
 - B) 10,000 Joules
 - C) 4900 Joules
 - D) 20,000 Joules
56. Light bends around sharp corners as a result of
- A) refraction
 - B) diffraction
 - C) reflection
 - D) dispersion
57. If you were watching a star collapsing to form a black hole, the light would disappear because it:
- A) is strongly redshifted
 - B) is strongly blueshifted
 - C) its color suddenly becomes black
 - D) none of the above
58. According to Kepler's Laws, the cube of the mean distance of a planet from the sun is proportional to the:
- A) area that is swept out
 - B) cube of the period
 - C) square of the period
 - D) fourth power of the mean distance
59. The cosmic background radiation, a remnant of the Big Bang, is at what temperature?
- A) 100K
 - B) 0K

C) 5.3K

D) 2.7K

60. The period from one full moon to the next is:

A) 30.3 days

B) 30 days

C) 29.5 days

D) 28 days

Question	Co r r e c t answer	Answer 1	Answer 2	Answer 3	Answer 4
The dimensions of gravitational constant G are	1	$M^{-1}L^3T^{-2}$	ML^3T^{-2}	$M^0L^3T^{-1}$	$M^{-2}L^1T^3$
The working of a jet airplane is based on Newton's	3	First law of motion	Second law of motion	Third law of motion	Gravitational Law
Error that occurs due to equally affected measurements is called	2	Random Error	Systematic Error	Frequent Error	Precision
The shape of magnetic field around a long straight current carrying wire is:	4	Elliptical	Square	circular	spring shaped
The electric field of a point charge varies:	4	linearly with distance and inversely with charge	linearly with charge and inversely with distance squared	linearly with distance and inversely with charge	linearly with distance and inversely with charge squared
At a point directly east of a negative point charge, the electric field points in what direction	2	East	West	North	South
If the resultant force acting on a body of constant mass is zero, the body's acceleration is:	3	Increasing	Decreasing	Always zero	Negative
Two bodies each have a mass M. If the mass of each body is doubled, the gravitational force of attraction between the two bodies will be:	2	Double the original force	Four times the original force	0.25 times the original force	Unchanged
For a body to be in equilibrium, which of the following conditions must exist?	1	The sum of forces acting on the body must be zero	No forces may be acting on the body	The body must be accelerating	The velocity of the body must be zero
A man picks up a 50 kilogram block and carries it up a flight of stairs 10 meters high. He then carries the block back down the stairs and places the block in its original	1	0 Joules	750 Joules	500 Joules	1000 Joules

position. What is the NET work done on the block?					
An automobile needs an antenna for its radio to play properly because:	2	The automobile's tires insulate it from the ground	The automobile's body acts as a Faraday cage	When the automobile moves, the velocity of the radio signal appears changed with respect to when it is at rest	The transmitter also uses an antenna
The dominant charge carriers in p-type semiconductors are	4	neutrons	electrons	protons	holes
What reflecting surface forms a geometrically perfect image of a point source located at infinity (such as that approximated by a star)?	1	paraboloid	ellipsoid	spherical	hyperboloid
The magnitude of the quarks' electric charge is	3	Zero	greater than electron's charge	less than electron's charge	equal to the electron's charge
Planck's constant was first introduced in order to obtain a correct theoretical prediction of	1	the distribution of frequencies occurring in black body radiation	the energy produced by the transformation of mass into energy	the speed of light	lifetime of the neutron
A proton and an alpha particle pass through the gap of a strong magnet. If both particles have the same initial velocity, how many times greater will the deflection of the proton be relative to the deflection of the alpha particle?	2	the same	2 times	4 times	8 times
The principle that energy may be converted from one form to another but it cannot be either created or destroyed is:	2	Zeroth law of thermodynamics	First law of thermodynamics	Second law of thermodynamics	Third law of thermodynamics
In space, heat is transferred by:	4	Conduction	Convection	through conduction, convection and radiation	Radiation
Of the following, the most energetic form of NON-IONIZING radiation is	1	Near UltraViolet light	Infrared light	Radio waves	Microwaves

At one atmosphere, a cylinder with movable piston contains 2,000 milliliters of gas. If the pressure is increased to 5 atmospheres and the temperature remains unchanged, what is the new volume of the gas?	2	1000 milliliters	400 milliliters	100 milliliters	10 milliliters
--	---	------------------	-----------------	-----------------	----------------

A projectile is fired into the air at an angle of 23 degrees. At what other angle would this projectile have the same range if air resistance is neglected?	3	46 degrees	60 degrees	67 degrees	68 degrees
Rounded to the nearest day, one mercurial year is equal to:	2	111 days	88 days	50 days	25 days
The Andromeda Galaxy is which of the following types of galaxies?	1	Spiral	Elliptical	Barred-spiral	Irregular
Which civilization developed and implemented the first solar calendar?	3	Babylonian	Greek	Egyptian	Aztec
A 5 kilogram mass is lifted at constant velocity from a shop floor by a rope that passes through a pulley attached to the shop's ceiling. Neglecting the mass of the rope and friction in the pulley, what is the approximate tension in the rope?	4	100 N	5 N	25 N	50 N
The index of refraction of a plastic material is 1.5. The speed of light in this material relative to that in a vacuum is:	3	2	1.5	0.67	0.33
What percentage of the earth's atmosphere does O ₂ comprise(Approx.)?	3	75	50	21	32
What happens to the period of a pendulum if the mass of the bob is quadrupled?	2	it is cut in half	stays the same	doubles	quadruples
A space ship traveling toward Mars at 0.6 times the speed of light c shoots an ELECTRON beam at Mars. If the electrons travel at 0.6 C RELATIVE TO THE SPACE SHIP, at what speed do the electrons impact the surface of Mars?	2	0.6 C	0.88 C	1.2 C	1.34 C
Two identical resistors are connected in parallel and consume 200 watts together. A third identical resistor is added in parallel. The total power consumed is:	3	100 watts	200 watts	300 watts	400 watts
The first reflecting telescope was built by:	4	Galileo	Copernicus	Tycho Brahe	Isaac Newton
The Doppler Effect predicts that the spectrum of light from a visible body moving AWAY from the Earth will experience a shift in frequency when viewed from Earth. This particular shift is known as the:	1	Red shift	Blue shift	Neutral shift	Dirac Shift
How many atoms per unit cell are in a facecentered-cubic crystal?	2	two	four	six	eight
What is the hydrostatic pressure at the bottom of a pool 6 meters deep?	1	60000 N per metre squared	6000 N per metre squared	600 NN per metre squared	60 N per metre squared
An electron is classified as a	3	boson	nucleon	fermion	meson

The Grand Unified Theory of the forces of nature combines three of the four forces. Which force is NOT included?	1	Gravitational	electromagnetic	weak nuclear	strong nuclear
Consider a car driving around a circular bend in the road. Which of the following CANNOT be constant?	1	velocity of car	speed of car	nonrelativistic mass of car	angular momentum of the car about the centre of

					the circle
Rest mass energy of an electron is	3	1.02 MeV	0.511 KeV	0.511 MeV	2.02 MeV
The oxygen in the earth's atmosphere was probably produced by which of the following?	2	meteors	photosynthetic organisms	radioactive minerals	all of the above
Which of the following is the most important erosional and transportation agent?	2	wind	water	glaciers	none of the above
The same side of the moon always faces the Earth because:	3	the moon is not rotating about its axis.	the moon's motion was fixed at its creation by the laws of inertia	tidal forces keep the moon's rotation and orbiting motion in sync with each other.	the moon's magnetic poles keep aligned with the Earth's magnetic field
A hiker stands at the bottom of steep hill. The hiker may follow a straight line path to the top of the hill, a distance of 300 feet, or she may follow a zig-zag path to the top of the hill and walk a distance of 600 feet. The work done by the force of gravity along the zig-zag path is how many times the work going along the straight path?	1	equal	twice	4 times	8 times
An electron is moved through a potential difference of 1 volt. How much energy in joules was used to move the electron?	1	1.6×10^{-19} Joules	2.6×10^{-19} Joules	1.6×10^{-18} Joules	2.6×10^{-18} Joules
A string of length L is fixed between two points. If a standing wave of 5 nodes is produced, what is the relationship between the string's length, L, and its wavelength?	3	0.4 L	0.1 L	0.5 L	0.2 L
Two point masses, M1 and M2, are 14 centimeters apart. M1 has a mass of 2 grams. M2 has a mass of 5 grams. Locate the center-of-mass of this system.	2	4 cm from M1	4 cm from M2	5 cm from M2	7 cm from M1
In the Compton Effect, a photon of wavelength λ collides with a stationary electron. The wavelength of the emitted photon is:	2	the same as λ	longer than λ	shorter than λ	no photon is emitted
Which of the following is NOT closely associated with a non-magnetic Phase Diagram?	4	Eutectic Temperature	Solidus	Liquidus Curves	Curie Point
Which of the following will increase the ANGULAR MOMENTUM of a person spinning on a rotatable frictionless bar chair?	4	moving the arms closer to the body	moving the arms farther from the body	moving one arm farther from the body and the other arm closer to the body with spastic repetition	none of the above

For the hydrogen atom, which series describes electron transitions to the $N = 2$ orbit? Is it the:	3	Lyman series	Paschen series	Balmer series	Pfund series
A girl throws a 2 kilogram rock vertically upward. It reaches a maximum height of 5 meters. What is the kinetic energy of the rock the instant it leaves the girl's hand?	1	100 Joules	1000 Joules	10 Joules	1 Joule
The angle between the velocity and acceleration of a body is:	3	never 90 degrees	never 180 degrees	sometimes 180 degrees	never 0 degrees
At a point halfway between two identical point charges, the electric field is equal to:	1	zero	half its maximum value	its maximum value	pointing away from the two charges
Which one of the following laws best describes the operation of an electric generator?	4	Ampere's Law	Gauss' Law	Ohm's Law for Conductors	Faraday's Law of Induction
Carlos is pulling a 40 kilogram cart with a horizontal force of 100 Newtons. The force of friction on the cart is 20 Newtons. The acceleration of the cart is:	1	2 meters per second squared	2.5 meters per second squared	20 meters per second squared	200 meters per second squared
A 10 kilogram object falls from a cliff 100 meters high. At the midpoint of its fall its total energy is:	2	2450 Joules	10,000 Joules	4900 Joules	20,000 Joules
Light bends around sharp corners as a result of	2	refraction	diffraction	reflection	dispersion
If you were watching a star collapsing to form a black hole, the light would disappear because the light	1	is strongly redshifted	is strongly blueshifted	would turn black	none of the above
According to Kepler's Laws, the cube of the mean distance of a planet from the sun is proportional to the:	3	area that is swept out	cube of the period	square of the period	fourth power of the mean distance
The cosmic background radiation, a remnant of the Big Bang, is at what temperature?	4	100K	0K	5.3 K	2.7 K
The period from one full moon to the next is:	3	30.3 days	30 days	29.5 days	28 days

ENTRY LEVEL TEST 2019-2020

1. Assigning different names to each species is called-----

2. Night blindness is caused due to deficiency of-----
3. Rabies is transmitted by-----
4. The branch of zoology which deals with the study of tissue is----

5. The excretory organ of the earthworm is-----
6. The upper heart chambers are called-----
7. AIDS is caused by-----
8. Bile is secreted by-----
9. Glucose is stored in our body in the form of
10. ---- are the blood vessels which carry blood towards the heart.
11. Which vitamin is destroyed by cooking?
12. The tusks of an elephant are modified -----
13. 13. Dialysis is given to a man having problems in
14. Rh factor is present in
15. Ornithology is the study of ----
16. The number of chromosomes in human body is-----
17. 17. Pyorrhoea is a disease of the-----
18. When there is a decrease in the concentration of oxygen in the blood, the breathing rate---

19. Which vitamin is provided by the Sunlight to the human body?
20. Paleontology is a branch of science that deals with the-----
21. 21. Insulin controls the metabolism of-----
22. Of the blood groups A, B, AB and O, which one is transfused into a person whose blood group is A
23. Osteology is the study of-----
24. Oxygen in our blood is transported by a protein named-----
25. Outer covering of virus made up of protein is-----
26. 26. Nymph is the name of young one of-----
27. 27. Norepinephrine increases-----
28. Nucleus, the genetic material containing rounded body in each cell, was first discovered by---
--
29. Most abundant tissues of our body are-----
30. Blood is formed in the human adult by the-----



DEPARTMENT OF ZOOLOGY
St. Albert's College (Autonomous)

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 Affiliated to Mahatma Gandhi University, Kottayam, Kerala

Internal Quality Assurance Cell, St. Albert's College (AUTONOMOUS), Ernakulam					
ENTRY LEVEL TEST ANALYSIS					
DEPARTMENT		Zoology			
No	Class No	Name	Marks for Entry level test (<i>Out of 100</i>)	than 75% between 40 and below 40	
1	5201	AMALA V S	60		○
2	5202	ELIZABETH ANEESHA	60		○
3	5203	AISWARYA ANILKUMAR	54		○
4	5204	FARSANA M S	50		○
5	5205	ANUSREE A S	58		○
6	5206	ARUNIMA SHINE V	38		●
7	5207	ANANTHAN K U	90		●
8	5208	NITHIN JOSEPH SIMON	74		○
9	5209	ANJANA P P	56		○
10	5210	MARY MARTIN	56		○
11	5211	SINTA ROSE TITUS	60		○
12	5212	ELIZABETH TREESA	60		○
13	5213	NEKHA AMBROSE	54		○
14	5214	ANEENA JOSEPH	44		○
15	5215	SNEHA JOSEPH	60		○
16	5216	MARIYA NIYA BENNY	70		○
17	5217	LAVEENA P RAPHAEL	78		●
18	5218	SRADHA N S	28		●
19	5219	FIONA VICTOR	80		●
20	5220	ABEERA BANU C C	60		○
21	5221	ARUNDHATHY B T	58		○
22	5222	AFSINA P N	58		○
23	5223	SHELJITH SHAJAN	44		○
24	5224	GEORGEENA	32		●
25	5225	NITHUNA PRADEEP	54		○
26	5226	AMALA PRAKASH	30		●
27	5227	MERIN ROSLIN ANTONY	20		●
28	5228	ANDRIYA MARIYA	54		○
29	5229	HELEENA MARY	60		○
30	5230	GAURY RAJAN	24		●
31	5231	VARNA ELIZABETH P C	40		●
32	5232	V K SADIQUE	40		●
33	5233	SAINA EBRAHIM K E	60		○
34	5234	SWEETHA BABU	50		○
35	5235	RANSOM SANDRA	27		●
36	5236	FATHIMA NAZRIN N N	64		○



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ENTRY LEVEL TEST FOR 1ST M.Sc ZOOLOGY – JUNE 2019

1. Immunoglobulin found in secretions -
2. Extrachromosomal genetic material found in bacteria -
3. Causative agent of botulism -
4. Elephantiasis is caused by - 5. Viruses that infect bacteria –
6. Cytoplasmic connections between plant cells
7. Normal blood pressure in human-
8. Largest gland in human body - 9. Part of brain maintains equilibrium -
10. Rh incompatibility disease in newborns is _____
11. Cons are responsible for vision in _____
12. Cytoplasmic connections between cells are called _____
13. Scientific name of Parrot -
14. Muscle fatigue is due to _____ accumulation.
15. Expand IUCN-
16. Two kingdom classification proposed by _____
17. Porifera shows _____ level of organisation
18. Connecting link between annelids and arthropods _____
19. Golden Age of fishes _____
20. The term species was coined by _____
21. The convention for protection of wetlands-
22. Expand HTML.
23. Flight modification in Draco _____
24. Species that occupy same habitat but are reproductively isolated is called as _____
25. Give an example for a search engine.
26. The practice of taking someone else's work or ideas and passing them off as one's own is known as _____
27. Middlemost value obtained when a set of values are arranged in a linear order is known as _____
28. Animal like protists are known as _____
29. Theory of chemical evolution of life was proposed by _____
30. Trisomy of 21st chromosome leads to _____



Internal Quality Assurance Cell, St. Albert's College (AUTONOMOUS), Ernakulam

ENTRY LEVEL TEST ANALYSIS

DEPARTMENT		ZOOLOGY, I M.Sc 2019-21 Batch			
				greater than 75%	
				between 40 and 74	
3	9603	Glady K.T	70		
4	9606	Sanjana C.S	20		
5	9607	Maneesha T.T	23		
6	9608	Anjana Sebastian	26		
7	9609	Sathyalakshmi C.S	50		
8	9610	Dhanu Dhanapalan K	36		
9	9611	Nikhitha Mohanan	40		
10	9612	Amala K Josy	63		
11	9613	Tincy Dominic	50		
12	9614	Parvathy P	63		
13	9615	Jency George	36		
14	9616	Anjana G	26		
15	9617	Dona Paul	43		
16	9618	Srilakshmi .B. Menon	43		
17	9619	Nestla Habeeb K.H	30		
18	9620	Neethu N.K	46		

Research Department of Fisheries & Aquaculture



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APTITUDE TEST

B.Sc. AQUACULTURE & B.Sc. INDUSTRIAL FISH AND FISHERIES (2020-2023 BATCH)

1. Fish oil is rich in.....
a) Vitamin A b)Vitamin D c)Vitamin C d)Vitamin A and D
2. Body balancing organ of fin fish is called.....
a) Statocyst b) Lateral line sense organs c) Spinal cord d) None of the above
3. The mud flat and slime swamps located in west Bengal are called
a) Bheries b)Lagoon c)Backwater d)Embanked brackish water
4. Water soluble vitamins are:
a) A, D, & E b) B, C, and D c) B and C d) A, B and C
5. Most of the red, blue and purple colours of plants are due to a pigment called
a) anthocyanin b)carotene c)chlorophyll d)xanthophylls
6. Loaches belong to the family
(a) Cyprinidae (b) Cobitidae (c) Amblycipitidae (d) Sisoridae
7. Aestivation is
a) Summer sleep b)Winter sleep c)Dormant sleep d)Diving
8. Polyculture means
a) Culture of one species of fish b) Culture of fish coming under one genus
c) Culture of fish from a family d)Culture of multiple species
9. Masmin is prepared from.....
a) Dry tunas. b)Dry Sardines c)Wet anchovies. d)Dry anchovies
10. Venom of viper attacks on?
a) Nervous system b) Circulatory system c)Respiratory system d) Digestive system
11. Juvenile of Atlantic Salmon is called.....
a) Paar b)Alvein c)Smolt d)Elver
12. Migration from river to sea is called.....
a) Catadromous b) Anadromous Potamodromous d) Oceanodromous

13. Sargassam is a seaweed under the class....
 a) Chlorophyceae b) Phaeophyceae c) Rhodophyceae d) None
14. Larvae of eel is called.....
 a) Ammocoetus (b) Tadpole (c) Elver (d)Pupa
15. Aqua ranching means
 a)Sailing in the sea b)Diving in the sea c)Snorkeling in the sea (d)Releasing fish seed into the sea
16. Which is called a molly?
 a) Macropodus (b) Colisa (c)Mollienisia (d) Poecilia
17. What is the mode of nutrition called in which organisms cannot make its own food from simple inorganic material and depends on other organisms for its food?
 a) Autotrophic nutrition b) Heterotrophic nutrition c) Parasitic nutrition d) Holozoic nutrition
18. Chemosensory organ in fish is known as
 a) Neuromast b) Olfactory sac c) Statocyst d) Ampulla
19. State fish of Kerala
 a) Sardine b) Pearl spot c) Mackerel d) Tuna
20. Instrument used to measure water turbidity is.....
 a) Refractometer b)Secchi disc c) p H meter d) None
21. Which one is the ornamental fish?
 a) Common carp b) Tilapia c) Gold fish d) Catfish
22. A group of glands which produce various hormones is called:.....
 a) Respiratory system b)Excretion c) Endocrine system d)Central nervous system
23. Anabas has which type of respiratory organ?
 a) Arborescent b)Air bladder c)Labyrinthine d)Tubular sacs
24. Melanin is a pigment
 a) Black b)Yellow c)Red d)Green
25. Male sea -horse carries the eggs
 a) In its mouth b)As a glutinous mass on the back c)In its pouch d)In its stomach
26. Which of the following is referred to as a living fossil?
 a) Coelacanth b)Lampreys c)Hagfishes d)Flatfishes
27. Algal bloom is caused by
 a) Lemna b)Hydrilla c)Cobamba d)Microcystis
28. Oviparous fish produce
 a) Eggs b)Babies c)Young ones d)Adults

29. Who is known as father of Zoology.....
a) Darwin b) Aristotle c) Lamark d) Theophrastus
30. Animal without red blood cells.....
a) Frog b) Earthworm d) Snake d) Peacock
31. Which is a maritime state.....
a) Assam b) Meghalaya c) West Bengal d) Bihar
32. What is the average salinity of seawater?
a) 15 ppt b) 100 ppt c) 66 ppt d) 35 ppt
33. Which of these is not part of the endocrine system?
a) lungs b) pituitary gland c) adrenal gland d) thyroid gland
34. Liver secretes:
a) No enzymes b) Digestive enzymes c) Hormones d) Succus entericus
35. Which one of the following is regarded as main cellular fuel?
a) Protein b) Fat c) Fructose d) Glucose
36. Pascal is the unit for
a) Thrust b) pressure c) frequency d) conductivity
37. Sound travels at the fastest speed in
a) steel b) water c) air
d) vacuum
38. Loaches belong to the family
a) Cyprinidae b) Cobitidae c) Amblycipitidae d) Sisoridae
39. Dugong dugong is the scientific name of
a) Sea otter (b) Dolphin (c) Sea cow (d) Whale
40. Heterocercal type of caudal fin is found in
a) Scorpion (b) Scoliodon (c) Eel (d) Tilapia
41. The ratio between food consumed per unit weight gained by the body is expressed by
a) Food Conversion Rate (b) Food Absorption Rate
c) Food Consumption Rate (d) Food Assimilation Rate
42. The most abundant constituent of atmospheric air is ?
a) Oxygen b) Hydrogen c) Nitrogen d) None
43. Study of internal structure of organism is called:
a) Agrostology b) Agronomy c) Anatomy d) None
44. The species which is most suitable for aquaculture is called
a) Exotic species (b) Candidate species (c) Subspecies (d) Native species
45. First Fisheries college established in India is in
a) Kerala (b) Karnataka (c) New Delhi (d) Maharashtra

46. Ammenoletic animals excrete
a) Uric acid b)Ammonia C)Urea d)Nitrogen waste
47. Pituitary gland extracts are injected to induce
a) Ovulation b)Gonadal development c)Sex play d)Secretion of hormones
48. In which of the following fishes ,the eyes are located in the dorsal surface?
a) Sharks b)Skates c)Rat fish d)Lionfish
49. Pearl oyster is coming under the phylum
a) Echinodermata b) Mollusca c) Annelida e) None
-

Research Department of Fisheries & Aquaculture



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ENTRY LEVEL TEST B.Sc. AQUACULTURE (2020-23 BATCH)

INTERNAL QUALITY ASSURANCE CELL, ST. ALBERT'S COLLEGE (AUTONOMOUS), ERNAKULAM					
ENTRY LEVEL TEST ANALYSIS					
DEPARTMENT					
No	Class No	Name	Marks for Entry level test (<i>Out of 100</i>)	greater than 75% between 40 and	
				below 40	
1	201401	ALEENA MARY JOHN	88	88	
2	201402	SANDRA JOSEPH	74	74	
3	201403	GOURI S MYDHILI	91	91	
4	201404	AMAAN SHERIEF	88	88	
5	201405	MARY ALINTA T L	87	87	
6	201406	EBIN FRANCIS T J	90	90	
7	201407	ARYA MAHESH	90	90	
8	201408	ASWIN CASPERAVAREV	87	87	
9	201409	ANN MARIA FRANCIS	82	82	
10	201410	SREEMOL T S	80	80	
11	201411	PAUL SHARON SIMENTHY	84	84	
12	201412	ANCY JOSEPH	77	77	
13	201413	CINSTA K T	83	83	
14	201414	RIJO SIMON	85	85	
15	201415	SIDHARTH T S	86	86	
16	201416	SNEHA VARGHESE	80	80	
17	201417	NAISHANA V Z	83	83	
18	201418	SONU P P	80	80	
19	201419	OBIL CANESHIOUS V M	87	87	
20	201420	SANDHRA K B	78	78	
21	201421	HUDHA NAURIN N	73	73	
22	201422	LAKSHMI KANNAN	86	86	
23	201423	ALAN BIJU	83	83	
24	201424	MASROOR AHMED S N	79	79	
25	201425	MIGHEYA V	77	77	
26					

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ENTRY LEVEL TEST

M.SC. APPLIED FISHERIES & AQUACULTURE (2020-22 BATCH)

1. Instrument used to determine water salinity is.....
a) Refractometer b) BOD bottles c) Secchi disc d) None of the above
2. Water controlling device used in aquafarms are called
a) Monk gate b) Sluice gate c) Dike compartment d) None
3. Gas bubble disease in fishes is caused by the supersaturation of
a) Oxygen b) Carbon dioxide c) Ammonia d) Methane
4. Chilka lake is situated in
a) Bihar. b) Orissa c) Andhra Pradesh d) West Bengal
5. The aquatic animal with the most developed intelligence is
a) Whale. b) Seal c) Dolphin. d) Kangaroo
6. Which is called a guppy?
(a) Macropodus (b) Colisa (c) Mollienisia (d) Poecilia
7. National fish of India
(a) Sardine (b) Pearl spot (c) Mackerel (d) Tuna
8. Which one is the ornamental fish?
(a) Common carp (b) Tilapia (c) Gold fish (d) Catfish
9. Rigor Mortis is basically characterized by
a) Stiffening of body b) Softening of body c) Asphyxiation
d) Red cheeks
10. Which culture technology is suitable for the culture of sea bass?
a) Pen b) Cage c) Pond d) Raceway
11. Selective accumulation of iodine occurs in:
a) Intestine b) Thymus c) Thyroid d) Liver
12. Liver secretes:
a) No enzymes b) Digestive enzymes c) Hormones d) Succus enteric

13. The species which is most suitable for aquaculture is called
 (a) Exotic species (b) Candidate species (c) Subspecies (d) Native species
14. First Fisheries college established in India is in
 (a) Kerala (b) Karnataka (c) New Delhi (d) Maharashtra
15. An artificial fish habitat is
 (a) a construction which provides a habitat for fishes (b) a place where fishes are processed
 (c) a place where fishes are sold (d) a place where fishes are stocked
16. Heterocercal type of caudal fin is found in
 (a) Scorpion (b) Scoliodon (c) Eel (d) Tilapia
17. The pit nest made by salmon in the river bed is known as.....
 a) Bubble nest b) Weed nest c) REDD d) Stone nest
18. **Age of fishes was known as.....**
 c) Devonian b) Ordovician c) Crustaceous d) Silurian
19. **The metal present in the chlorophyll is**
 a) Calcium b) Aluminium c) Zinc d) Magnesium
20. Which of the following not a fish
 (a) Jellyfish (b) Seer fish (c) White bait (d) Lady Fish
21. What is the average salinity of seawater?
 (a) 15ppt (b) 100ppt (c) 66ppt (d) 35ppt
22. Which of the following not a fish
 (a) Jellyfish (b) Seer fish (c) White bait (d) Lady Fish
23. What is the average salinity of seawater?
 (a) 15ppt (b) 100ppt (c) 66ppt (d) 35ppt
24. The richest source of vitamin D is
 a) Cheese b) Milk c) Spinach d) Cod liver oil
25. Which of the following tests helps in diagnosis of cancer?
 a) Urine test b) Neuro Test c) Blood test d) Biopsy test
26. Exoskeleton of crab is made of
 (a) Calcium (b) Chitin (c) Phosphate (d) None of the above
27. Pearl is a secretion of
 (a) Kidney (b) Mantle (c) Mouth (d) Water
28. Larvae of petromyzon is
 (a) Ammocoetus (b) Tadpole (c) Elver (d) Pupa

29. Pituitary extract is preserved in
(a) Absolute alcohol (b) Formalin (c) Acetone (d) Saline
30. Rubber is obtained from?
a) cell sap b) latex c) gum d) resin
31. Name of the first successfully cloned deer?
a) Dreen b) Dewey c) Drarar d) Delor
32. The olfactory epithelium of teleost is highly secretory due to the presence of
(a) Phosphatase activity (b) Water (c) Gland cells (d) Lipids
33. Mud bank is formed along the coast of Exoskeleton of crab is made of
(a) Calcium (b) Chitin (c) Phosphate (d) None of the above
34. Roe' is called
a) Sperm b) Ovary of fish c) Lung of fish d) Vasdeferens of fish
35. Furnuculosis appears to infect fishes living in
a) Dirty water b) Sea water c) Fresh water d) Brackish water
36. Oviparous fish produce
a) Eggs b) Babies c) Young ones d) Adults
37. The mud flat and slime swamps located in west Bengal are called
a) Bheries b) Lagoon c) Backwater d) Embanked
38. Selective accumulation of iodine occurs in:
a) Intestine b) Thymus c) Thyroid d) Liver
39. Liver secretes:
a) No enzymes b) Digestive enzymes c) Hormones d) Succusentericus
40. Which one of the following is regarded as main cellular fuel?
(a) Protein b) Fat c) Fructose d) Glucose
41. Chromatophores are situated in the of fishes
(a) Intestine (b) Heart (c) Dermis (d) Eyes
42. The olfactory epithelium of teleost is highly secretory due to the presence of
(a) Phosphatase activity (b) Water (c) Gland cells (d) Lipids
43. Fishes in culture ponds come to the surface in the morning for want of
a) Oxygen. b) Food c) Sunlight. d) Shade
44. In Tropical Countries, the fish matures
(a) Late. b) Early c) Rarely. d) Seasonally

45. What is called a tiger prawn?
a) *Penaeus indicus*. b) *Metapenaeus dobsoni* c) *Penaeus monodon*
d) *Metapenaeus sp*
46. Which one of the following is a live feed organism?
a) *Tubifex*. b) seaweed c) crab d) Oyster
47. Self brine is the term associated with
a) Canning b) pickling c) Smoking d) salting
48. Which is the primary cause of spoilage of fish?
a) Bacteria b) fungi c) Protozoa d) virus
49. Itching disease in fin fish is caused due to.....
(a) Helminth b) Annelid c) Protozoa d) Crustacea
50. Mudskippers can respire in land due to the presence of.....
(a) Lungs b) Gills c) Accessory Respiratory organs d) None

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Internal Quality Assurance Cell, St. Albert's College (AUTONOMOUS), Ernakulam					
ENTRY LEVEL TEST ANALYSIS					
DEPARTMENT					
No	Class No	Name	Marks for Entry level test (Out of 100)	than 75% between 40 and below 40	
1	201301	Anamika Baijunath	90	●	
2	201302	Joel Hebison Coelho	90	●	
3	201303	Ann Hemiliya Varghese	80	●	
4	201304	Roshna Treesa Antony	94	●	
5	201306	Athul Krishna M U	70	●	
6	201307	Adith Sebastian M G	85	●	
7	201308	Athulya Devassy	88	●	
8	201309	Andria Tellus	90	●	
9	201310	Parvathy Sudheesh Kumar	88	●	
10	201311	Arya P S	88	●	
11	201312	Mariya Soja M S	86	●	
12	201313	Sneha Elizabeth Joy	76	●	
13	201314	Siya Jain	88	●	
14	201315	Aparna P M	76	●	
15	201316	Sereene Sajan	96	●	
16	201317	Maria Theresa	88	●	
17	201318	Ann Maria Philomina	84	●	
18	201319	Mary Ann	88	●	
19	201320	Anandu P S	76	●	
20	201321	Sandhra T K	68	●	
21	201322	Ashwin A	90	●	
22	201323	Sinealda Maria Rozario	78	●	
23	201324	Mariya Sherin Pereira	80	●	
24	201325	Devika Babu	90	●	
25	201326	Binsha Shyjan	80	●	
26	201327	Loraine Elisa Harris	90	●	
27	201328	Krishnapriya S	92	●	
28	201329	Midhula R	68	●	
29	201330	Aavanthika Sabu	72	●	
30	201331	Adithya G S	78	●	
31	201332	Ann Maria Anu	96	●	
32	201333	Uthara A Anil	82	●	
33	201334	Jafeena Ransom Oliver	84	●	
34	201335	Fathima Shabin Seethi	78	●	
35	201336	Sandriya Sara T J	86	●	
36	201337	Anjana S	82	●	
37	201338	Ann Earnest	84	●	

ENTRY LEVEL TEST (2020)

1. Largest gland in the human body -
2. Extra chromosomal genetic material in bacteria -
3. Smallest bone in humans -
4. Filariasis is caused by -
5. Locomotory organ of bacteria -
6. Pacemaker of heart -
7. Smallest muscle in human body - 8. Part of brain maintains equilibrium -
9. Rh incompatibility disease in newborns is _____
10. Rods are responsible for vision in _____
11. Gland known as biological clock _____
12. Cytoplasmic connections between cells are called _____
13. Scientific name of pigeon -
14. Muscle fatigue is due to _____ accumulation.
15. Expand CBD-
16. Cell theory was proposed by _____
17. Cnidarians shows _____ level of organisation
18. Connecting link between annelids and arthropods _____
19. Environmental protection Act _____ year
20. Normal life span of human RBC _____
21. Most common helical conformation of DNA-
22. Expand HTML.
23. Overlapping zones between two biological communities _____
24. Species that occupy same habitat but are reproductively isolated is called as _____
25. Give an example for a search engine.
26. The practice of taking someone else's work or ideas and passing them off as one's own is known as _____
27. Middlemost value obtained when a set of values are arranged in a linear order is known as _____
28. The theory of natural selection proposed by _____
29. The term "Ecology" was coined by _____
30. Trisomy of 13th chromosome leads to _____



DEPARTMENT OF ZOOLOGY

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ENTRY LEVEL TEST ANALYSIS M.Sc Zoology (2020-2022 Batch)					
DEPARTMENT		Zoology			
No	Class No	Name	Marks for Entry level test (Out of 100)	greater than 75%	
				between 40 and 74	
				below 40	
1	209701	Keven Liam William	80	●	
2	209702	Fincy James	82	●	
3	209703	Lifna David	79	●	
4	209704	Liya Charles	60	●	
5	209706	Regal Joseph	54	●	
6	209707	Joan Maria Theresa	74	●	
7	209708	Jiji Maria George	73	●	
8	209709	Samuel	55	●	
9	209710	K.A. Asmi	63	●	
10	209711	Nimmy George	49	●	
11	209712	Anjali Jose	83	●	
12	209713	Liya Joy	76	●	
13	209714	Arifa C.K	86	●	
14	209715	Raiza P. M	59	●	
15	209716	Deepthi Dileepkumar	79	●	
16	209717	N. Jishnu	72	●	
17	209718	Nikhil T Androse	69	●	
18	209719	Sreenidhi Sreekumar	74	●	
Number of Students Scored below 40			0		
Number of Students scored between 40 and 75			11		
Number of Students scored above 75			7		