

QM

QUARTERLY EXAMINATION - 2024

11 - STD

ZOOLOGY



Time : 3.00 Hrs

Marks : 70

I **Note : i) Answer all the questions. ii) Choose the most appropriate answer from the given four alternatives and write the option code and the corresponding answer.** 15 X 1 = 15

- The cladogram or mindmap was introduced by
a) Aristotle b) R.H.Wittakar c) Ernest Haeckel d) Carolus Linnaeus
- What taxonomic aid gives comprehensive information about taxon?
a) Taxonomic key b) Herbarium c) Flora d) Monograph
- Which of the following is correctly matched?
A) Physalia - Portuguese man of war
B) Pennatula - Sea fan
C) Adamsia - Sea pen
D) Gorgonia - Sea Anemone
- What is the function of ambulacral system in Phylum Echinodermata?
a) Locomotion b) Excretion c) Transport of food d) For respiration
- What types of fibres are found in connective tissue matrix?
a) Collagen b) Areolar c) Cartilage d) Tubular
- Find the correct assertion and reason.
A - The long narrow muscle runs from the elbow to the wrist is called Palmari's muscle
R - It helps in hanging and climbing in primates, missing in 11% of human body
a) Assertion and reason wrong b) A correct, R wrong
c) A correct, R explains A d) A correct, R doesn't explain A
- The type of vision in cockroach
a) three dimation b) two dimation c) mosaic d) does not have vision
- Find out the wrong pair.**
Reproductive system of earthworm - Segments
A) Prostrate gland - 18 and 19
B) Spermathecae - 7, 8 and 9
C) Oviducts - 13 and 14
D) Vasa deferentia - up to 10
- Excretory organ of cockroach is
a) Malpighian tubules b) Neprocytes c) Cuticle d) All the above
- The sphincter of oddi guards
a) Hepatic pancreatic duct b) Common bile duct
c) Pancreatic duct d) Cystic duct
- Which is not the function of liver
a) Production of insulin b) Detoxification
c) Storage of glycogen d) Production of bile

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12. helps the food not entering to trachea, when swallowed
 a) Gullet b) Glottis c) Epiglottis d) Tonsils
13. Breathing is controlled by
 a) Cerebrum b) Medulla oblongata c) Pons d) Cerebellum
14. The healthy man respire times per minute.
 a) 12 - 18 b) 17 - 20 c) 8 - 12 d) 12 - 16
15. is not involved in blood clotting
 a) Fibrin b) Calcium c) Platelets d) Bilirubin

II Write any 6 questions. Answer to question no. 24 is compulsory.

16. What are flame cells? 6 X 2 = 12
17. Draw the neat labelled diagram of nerve cells.
18. Head of cockroach is called hypognathous. Why?
19. What is liver cirrhosis?
20. Write the reasons for obesity.
21. What is dead space?
22. What is lymph? Write its functions.
23. What do you mean by anastomoses?
24. Define : species. 6 X 3 = 18

III Answer any six of the following. Answer to Qn. no. 33 is compulsory.

25. Write the unique features of Bird's endoskeleton?
26. List the differences between agglutinin and agglutinogens present in human blood.
27. Why is pneumonia considered as dangerous disease?
28. Draw the schematic diagram of human digestive system and label the parts.
29. What is the use of DNA bar coding?
30. What are triploblastic animals. Give example.
31. Some epithelia are pseudo stratified. What does this mean?
32. Differentiate between prostomium and peristomium in earthworm.
33. Write the economic importance of frog.

IV Answer all the questions. Draw diagrams wherever needed. 5 X 5 = 25

34. a) Compare the characteristics of chordates and non - chordates. **(OR)**
 b) Write the characteristics of phylum Cnidaria.
35. a) Name any five important functions of epithelial tissue and provide at least one example of a tissue that exemplifies each function. **(OR)**
 b) Give an account of fat soluble vitamins.
36. a) Write the differences between a frog and toad. **(OR)**
 b) Explain the digestive system of lampito mauritii.
37. a) Explain the events in human inspiration and expiration. **(OR)**
 b) Describe about Electrocardiogram.
38. a) What are the evil effects of smoking. **(OR)**
 b) List the functions of liver.