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Tamilnadu Board

Quarterly Exam Question Paper

CLASS 11



PUDUKKOTTAI.

QUARTERLY EXAMINATION - 2022	Exam No.						
Time : 3.00 Hours	XI - ZOOLOGY						Marks : 70

PART - I

Note : 1) Answer all the questions. (15x1=15)

2) Choose the most appropriate answer from the given four alternatives and write the option code and the corresponding answer.

1. Cladogram considers the following character
   a) Physiological and Biochemical
   b) Evolutionary and phylogenetic
   c) Taxonomic and systematic
   d) None of the above
2. The respiratory structure of insects are
   a) Tracheal tubes
   b) Gills
   c) Green gland
   d) Lungs
3. Lateral line sense organs occur in
   a) Salamander
   b) Frog
   c) Water snake
   d) Fish
4. **Match the following columns and select the correct option.**

Column - I		Column - II
1. The Indian National bird	-	i) Chalcophaps indica
2. The Indian National animal	-	ii) Pave cristatus
3. The Tamil Nadu state bird	-	iii) Corvus splendens - splendens
4. The Indian house crow	-	iv) Panthera tigris

   a) 1(ii) 2(iii) 3(i) 4(iv)
   b) 1(ii) 2(iv) 3(i) 4(iii)
   c) 1(iii) 2(i) 3(iv) 4(ii)
   d) 1(ii) 2(iv) 3(iii) 4(i)
5. The main function of the cuboidal epithelium is
   a) protection
   b) secretion
   c) absorption
   d) both (b) and (c)
6. The pigment present in the muscle fibre to store oxygen is
   a) Myosine
   b) Myoglobin
   c) Actin
   d) Troponin
7. Prevention of substances from leaking across the tissue is provided by
   a) Tight junction
   b) Adhering junction
   c) Gap junction
   d) Elastic junction
8. **Which of the following is not correctly paired.**
   a) Human - Ureotelic
   b) Birds - Uricotelic
   c) Lizards - Uricotelic
   d) Whale - Ammonotelic
9. The clitellum, a distinct part in the body of Lampito - Mauritii found in
   a) segments 12 - 13
   b) segments 13 - 14
   c) segments 14 - 16
   d) segments 14 - 17
10. Sexually, Earthworms are
    a) Sexes are separate
    b) Hermaphroditic but not self - fertilizing
    c) Hermaphroditic and self - fertilizing
    d) Parthenogenic
11. The type of vision in cockroach is
    a) Three dimensional
    b) Two dimensional
    c) Mosaic
    d) Cockroach do not have vision

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12. Kidney of frog is
    a) Archinephros b) Pronephros
    c) Mesonephros d) Metanephros

13. Which of the following combinations are not matched?

    a) Vitamin D - Rickets
    b) Thiamine - Beriberi
    c) Vitamin K - Sterility
    d) Niacin - Pellagra

14. In small intestine, active absorption occurs in case of
    a) Glucose b) Amino acids
    c) Na^+ d) All the above
15. Breathing is controlled by
    a) Cerebrum b) Medulla Oblongata
    c) Cerebellum d) Pons

PART - II

Note: Answer any six questions. ***(6x2=12)***

16. What is tautonymy?
17. What are flame cells?
18. Write down the human detal formula.
19. Why do you call cockroach a pest?
20. What are earthworm casts?
21. Write names of any two economically important insects?
22. How will you differentiate the male frog from female frog?
23. Which structure seals the larynx when we swallow?
24. What is blood pressure?

PART - III

Note: Answer any six questions. ***(6x3=18)***

25. Describe the characteristic features of bi-radially symmetrical animal with example.
26. Why are spongin and spicules important to a sponge?
27. Write a note on the Domine - Archaea.
28. List the functions of airbladder in fishes.
29. Differentiate white adipose tissue from brown adipose tissue.
30. Write the economic importance of frog.
31. Draw and label the Nervous tissue with neuroglia.
32. Compare closed and opened circulatory system.
33. Why blood is considered as a typical connective tissue?

PART - IV

Note: Answer any five questions. ***(5x5=25)***

34. Briefly explain the three fundamental distinct features of chordata with a neat labelled diagram.
35. Write the characteristic features of phylum Arthropoda.
36. Describe the external morphology of Lampito Mauritii.
37. Explain the reproductive system of female frog.
38. Explain the process of digestion in the stomach.
39. Write the classification of connective tissue and their functions.
40. Write the five primary functions of the respiratory system.
41. Write the functions of Liver apart from bile secretion.
42. Write down the rules of Nomenclature.

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