

ZOOLOGY PAPER - I**(English version)****MODEL QUESTION PAPER****(For the Academic year 2021-22 only)****Time : 3 Hours****Max. Marks: 60****Note :** This question paper consist of three section A, B and C.

SECTION – A**I. VSAQ's : Answer any TEN of the following questions.****[10 x 2 = 20 M]**

1. What is trinomial nomenclature? Give an example?
2. What does ICZN stand for?
3. Mention any two products of medicinal importance obtained from nature.
4. List out any four sacred groves in India.
5. What is cephalization? How is it useful to its possessors?
6. Distinguish between a tendon and a ligament?
7. What is the haematocrit value?
8. Distinguish between amphids and phasmids.
9. Which arthropod, you have studied, is called a living fossil? Name its respiratory organs?
10. What is the essential difference between the larvae and adults of echinoderms, symmetry wise?
11. What is the importance of air bladder in fishes?
12. Name the four extra embryonic membranes?
13. A person is suffering from bowel irregularity, abdominal pain, blood and mucus in stool, etc. Based on these symptoms, name the disease and its causative organism.
14. From which substances 'smack' and 'coke' are obtained?
15. Define amensalism. Give one example.

SECTION – B**II. LAQ's : Answer any SIX of the following questions.****[6 x 4 = 24 M]**

16. Explain the hierarchy of classification.
17. What are the reasons for greater biodiversity in the tropics?
18. Explain 'Rivet Popper' hypothesis.
19. Describe briefly about the three types of intercellular junctions of epithelial tissues.
20. Describe the structure of a skeletal muscle.

21. Mention the salient features of Holothuroidea.
22. Name the four 'hall marks' of chordates and explain the principal function of each of them.
23. Describe the structure of the heart of frog.
24. What are the modifications that are observed in birds that help them in flight.
25. Write a short note on the pathogenicity of Entamoeba histolytica.
26. What are the adverse effects of tobacco?
27. 'Prevention is better than cure'. Justify with regard to TDA abuse.
28. Compare the adaptations of animals with freshwater and seawater mode of life.
29. How do predators act as biological control ?

SECTION – C

III. LAQ's : Answer any TWO of the following questions.

[2 x 8 = 16 M]

30. Give an account of the "formed elements" of Blood?
31. Draw a labelled diagram of the reproductive organs of Pheretima ?
32. Describe the life cycle of Plasmodium vivax in mosquito.
33. Describe the different types of food chains that exist in an ecosystem.