

ZOOLOGY PAPER - II**(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 chloride shift?
2. Why arteries are more elastic than veins?
3. Define glomerular filtration.
4. Name the cranial meninges covering the brain of man.
5. What is acromegaly? Name the hormone responsible for disorder.
6. Name the gland that decrease in size during adulthood. What is its role in during infection to the body ?
7. What is Klinefelter's syndrome?
8. Distinguish between mandatory reabsorption and facultative reabsorption.
9. Differentiate Apiculture and Pisciculture.
10. Differentiate between perforins and granzymes.
11. Name the muscles that help in normal breathing movement.
12. What is all or none principle?
13. What is sarcomere?
14. Mention any two advantages of inbreeding.
15. What is triad system?

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

16. What are the major transport mechanisms of CO₂ ? Explain.
17. Describe the disorders of respiratory system.
18. Give a brief account of counter current mechanism.
19. Describe Erythroblastosis foetalis.
20. Write short notes on Addison's disease and Cushing's disease.

21. Describe various types of barriers of innate immunity.
22. Draw neat labelled diagram of V.S. of kidney.
23. Write short note IVF-ET and IUD's
24. Describe the Genic Balance Theory of sex determination.
25. Describe the structure of skeletal muscle.
26. Honey bees are economically important. Justify.
27. Write the mechanism of action of hormones.
28. Give an account of synaptic transmission.
29. Describe surgical methods of contraception.

SECTION – C

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

[2 x 8 = 16 M]

30. Write a note on the working of the heart of the man. Add a note on double circulation
31. Give a brief account of the structure and functions of the brain of man ?
32. Describe the male reproductive system of man with neat labeled diagram.
33. What are multiple alleles ? Describe multiple alleles with the help of ABO blood groups in man.