AP Intermediate 2nd Year
Model Question Paper
Zoology II

Time: 3 Hours
Max.marks: 60

SECTION-A
Answer all the questions (Very Short Answer Type) 10 X 2 = 20
1. Define chyme and chyle?
2. Name the muscles that help in breathing movement of man?
3. How many pace makers are present in the human heart? What are they?
4. What is a sarcomere?
5. Name the meninges of the mammalian nervous system from the outer most to the inner most?
6. Write the functions of Leydig cells and Sertoli cells?
7. Distinguish between ‘Humoral immunity’ and ‘Cell mediated immunity’.
8. How is acromegaly caused?
9. Write any four important advantages of poultry farming?
10. What is the principle involved in X ray radiography.

SECTION-B
Answer any Six Questions (Short Answer Type) 6 X 4 = 24
11. Explain the process of digestion in the stomach.
12. What are the bio-chemical changes that occur in a muscle during contraction.
13. Write a brief note on Morphological Evidences in favour of organic evolution?
14. Draw a diagram of internal structure of testis.
15. Write a brief note on different types of immunities?
16. Explain the following phenomena.
   a) Turner’s Syndrome, b) Down Syndrome.
17. How does Hardy Weinberg principle explain equilibrium of allelic frequency?
18. What is the importance of MRI in diagnostic imaging?

SECTION-C
Answer any Two Questions (Long Answer Type) 2 X 8 = 16
19. How does human heart function to pump blood to the body parts?
20. Describe the female reproductive system with the help of a labelled diagram?
21. Describe the determination of sex by Genetic Balance theory of Bridges in Drosophila.