

MODEL QUESTION PAPERS(Semester - End)

B .Sc DEGREE EXAMINATIONS

SEMESTER - IV

Course - 4: ANIMAL PHYSIOLOGY, CELLULAR METABOLISM AND EMBRYOLOGY

Time: 3hrs.

Max. Marks: 75

Section - A

Answer any FIVE of the following:

5 × 5=25

Draw labeled diagrams wherever necessary

1. Assimilation
2. Cardiac cycle
3. Ultra structure of muscle
4. Pancreas
5. Structure of glucose
6. Lipids
7. Gluconeogenesis
8. Types of eggs

Section - B

Answer any FIVE of the following.

5x10=50

Draw labeled diagrams wherever necessary

9. a. Explain the process of digestion.
OR
b. Describe the structure and function of heart
10. a. Give an account of nerve impulse transmission.
OR
b. Write an essay on the hormonal control of reproduction in mammals
11. a. Write an essay on the classification of carbohydrates
OR
b. Classify the enzymes. Discuss the mechanism of enzyme action.
12. a. Write an account on Krebs's cycle.
OR
b. Explain B- oxidation of palmitic acid
13. a. Discuss the process of fertilization.
OR
b. Write an essay on gameto genesis.