

2RS46164 THREE YEAR B.SC(CBCS) DEGREE EXAMINATION

FOURTH SEMESTER JUNE 2023

ZOOLOGY

Paper- IV- ANIMAL PHYSIOLOGY ,CELLULAR METABOLISM & EMBRYOLOGY

MODEL PAPER

Time: 3 Hrs

Marks: 75 marks

Section-A

5 X 5 = 25 Marks

**Answer Any Five Questions
Each question carries 5 Marks**

1. Transport of O₂.
2. Structure of Nephron.
3. Ultra structure of Muscle.
4. Thyroid gland.
5. Classification of proteins.
6. Mechanism of action enzymes.
7. Transamination
8. Types of Eggs.

Section-B

10 X 5 = 50 Marks

Answer any Five of the following

Each question carries 10 Marks

9(a) Write an essay on absorption and assimilation of digested food.

(OR)

(b) Describe the structure and function of heart.

10(a) What is nerve impulse? Explain the transmission of nerve impulse along an axon.

(OR)

(b) Discuss the role of pituitary gland as a master gland.

11(a) Describe the classification of Carbohydrates ?Write the structure of glucose?

(OR)

(b) Describe the general properties of aminoacids.

12(a) Describe the Kreb's cycle.

(OR)

(b) Write an essay on B-oxidation of pulmoitic acid.

13(a) Describe about Gametogenesis.

(OR)

(b) Write the development of frog upto the formation of primary germ layers.