

B.Sc. ZOOLOGY THIRD SEMESTER SESSIONAL EXAMINATION, 2023
ANIMAL PHYSIOLOGY: CONTROLLING AND CO-ORDINATING SYSTEM
PAPER CODE: ZOO-HC-3026

Marks=30

Time=1 hour

Q1. Answer the following (any five):

2x5=10

- a.) Define the terms-Tissue and Histology.
- b.) What is the function of the basement membrane?
- c.) Give two examples of hypothalamic hormones.
- d.) What are neurotransmitters? Give two examples.
- e.) Name the gland responsible of the body's circadian rhythm.
- f.) What is sarcomere? Give two examples of contractile proteins.

Q2. Write short notes on (any two):

5x2=10

- a.) Connective tissue
- b.) Endocrine pancreas and its hormones
- c.) Saltatory conduction of nerve impulse

Q3. Answer the following (any one):

10x1=10

- a.) Discuss about the hormones of the pituitary gland and their functions.
- b.) Describe the molecular mechanism of muscle contraction.