B.Sc. Zoology THIRD semester Sessional Examination, 2023

PHYSIOLOGY AND BIOCHEMISTRY

PAPER CODE: ZOO-HG/RC-3016

Marks=30 Time=1 hour

Q1. Answer the following: 1x5=5

1. What is neuron?
2. Name the hormone secreted by beta cells of the Islets of Langerhans.
3. Name two contractile proteins.
4. How many ATP molecules are generated in one Kreb’s cycle?
5. Which cell supplies nourishment to a developing spermatocyte in the testis?

Q2. Write short notes (any three): 3x5=15

1. Role of hormones in female reproductive system.
2. Muscle proteins
3. Glycolysis

Q3. Answer the following (any one): 1x10=10

1. Define action potential. Describe in detail the conduction of nerve impulse along a non-myelinated nerve fibre. (2+8)
2. Define hormones. Discuss the structure and function of Pituitary hormones. (1+2+7)