

NRT/KS/19/2175

Bachelor of Science (B.Sc.) Semester—VI Examination

GENERAL MAMMALIAN PHYSIOLOGY—II

Optional Paper—1

(Zoology)

Time : 3 Hours]

[Maximum Marks : 50

- Note** :—(1) **All** questions are compulsory.
(2) All questions carry equal marks.
(3) Draw well labelled diagrams wherever necessary.

1. Give an account on sliding filament theory of muscle contraction. 10
OR
Write notes on :
(A) Structure of Neuron 5
(B) Properties of muscles. 5
2. Describe the structure of Uriniferous tubules and its functions. 10
OR
Write notes on :
(A) Mechanism of Urine formation 5
(B) Abnormal constituents of Urine. 5
3. Describe the structure and functions of Pituitary gland. 10
OR
Write notes on :
(A) Functions of thyroid hormone 5
(B) Structure of Pineal gland. 5
4. Give detailed account on oestrus cycle. 10
OR
Write notes on :
(A) Male sex hormones 5
(B) Causes of female infertility. 5
5. Write **4** or **5** lines on the following (any **TEN**) :
(i) Multipolar Neuron
(ii) H-Band
(iii) Acetyl Choline
(iv) ADH
(v) Dialysis
(vi) Urochrome
(vii) Parathormone
(viii) Graves' disease
(ix) Mineralocorticoids
(x) Ovulation
(xi) Polycystic ovarian syndrome
(xii) Hormonal contraceptives. 10