

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

GENERAL MAMMALIAN PHYSIOLOGY—II

Paper—1

(Zoology)

Time : Three Hours]

[Maximum Marks : 50

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

1. State the types of neurons. Describe the EM structure of a typical neuron. 10

OR

Write notes on :

- (A) Impulse conduction. 5
 (B) Properties of muscle. 5

2. Describe the structure of uriniferous tubules. 10

OR

Write notes on :

- (A) Micturation 5
 (B) Abnormal constituents of urine. 5

3. Detail the functions of pituitary hormones. 10

OR

Write notes on :

- (A) Well labelled diagram of adrenal gland 5
 (B) Functions of parathyroid gland. 5

4. What is contraception ? Describe mechanical and hormonal contraceptives. 10

OR

Write notes on :

- (A) Menstrual cycle 5
 (B) Male sex hormones. 5

5. Write **four** or **five** lines on the following (any **TEN**) :

- (i) Node of Ranvier
 (ii) Myosin
 (iii) Muscle Fatigue
 (iv) Glomerulus
 (v) Renin
 (vi) Dialysis
 (vii) Glucocorticoids
 (viii) Parafollicular cells
 (ix) Melatonin
 (x) Estrous
 (xi) Infertility
 (xii) Test tube baby.

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