

B.Sc. (Part-III) (with Credits)-Regular-Semester 2012 Sem VI
B.Sc. 4539-Zoology : Paper- I : General Mammalian Physiology-II

P. Pages : 2

Time : Three Hours



GUG/W/16/5656

Max. Marks : 50

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Draw well labelled diagram wherever necessary.

1. Describe in detail the structure of skeletal muscle. **10**

OR

- a) Counter current mechanism.
- b) Ultrastructure of nephron.

2. Describe the structure of thyroid gland and add a notes on it's hormones. **10**

OR

- a) Hormonal control of Menstrual cycle.
- b) Female sex hormone.

3. Attempt the following. **10**

- a) Action Potential.
- b) Dialysis.
- c) Hormones of zona glomerulosa.
- d) Secretory Phase of menstrual cycle.

OR

- e) Ultrastructure of neuron.
- f) Glomerular Filtration.
- g) Hormone's of Neurohypophysis.
- h) Estrous cycle.

4. Attempt the following. **10**

- a) Muscle twitch.
- b) Normal constituents of urine.

c) Hormones of Parathyroid gland.

d) Regulation of fertility.

OR

e) Types of Nerve cells.

f) Abnormal constituents of urine.

g) Hypothyroidism.

h) contraceptives.

5. Write in four or five lines on the following **any ten**.

10

i) Motor neuron.

ii) Tetanus.

iii) Endomysium

iv) Diuresis.

v) PCT.

vi) Micturation.

vii) FSH.

viii) Grave's disease.

ix) Melatonin.

x) Relaxin.

xi) Dyspituitarism.

xii) IUCD.
