

BACHELOR OF SCIENCE (B.Sc.) (PART-III) SIXTH SEMESTER
B.Sc. 4539 - Zoology Paper-I (General Mammalian Physiology-II)

P. Pages : 1

Time : Three Hours



GUG/W/18/1362

Max. Marks : 50

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

1. Describe conduction of nerve impulse. 10
- OR**
- a) Ultrafiltration
b) Counter current multiplier
2. Describe in detail morphological and internal structure of pituitary gland. 10
- OR**
- a) Hormonal control of menstrual cycle.
b) Male infertility
3. Attempt the following. 10
- a) Role of Ca in muscle contraction
b) Renal tubule
c) Hypothyroidism
d) IvF
- OR**
- e) All or none principle
f) Active secretion
g) Glucocorticoids
h) Barrier methods.
4. Attempt the following. 10
- a) Isotonic and Isometric contraction.
b) Abnormal ingredients of urine
c) Pineal gland
d) Functions of progesterone.
- OR**
- e) Thick Filament of muscle
f) Dialysis
g) Parathyroid gland
h) Metoestrus
5. Write four or five lines on following **any ten**. 10
- | | |
|---------------------|------------------------|
| i) Actin | ii) Troponin C |
| iii) Dendrite | iv) Podocyte |
| v) Vasa recta | vi) DCT |
| vii) Isthmus | viii) Zona reticularis |
| ix) Gigantism | x) Ovulation |
| xi) Corpus albicans | xii) Anestrous |
