

B.Sc.- II (CBCS Pattern) Sem-IV
USCZOT08 - Zoology Paper-II : Physiology & Biochemistry- II

P. Pages : 1

Time : Three Hours



GUG/W/22/12005

Max. Marks : 50

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

1. Describe the counter current mechanism. 10
- OR**
- Write short notes on:
- a) Structure of nephron 5
 - b) Normal constituents of urine. 5
2. Write in detail structure and functions of Adrenal gland 10
- OR**
- Write short notes on:
- a) Oestrous cycle. 5
 - b) Pituitary hormones & its functions. 5
3. Write in detail the conduction of nerve impulse. 10
- OR**
- Write short notes on:
- a) Ultrastructure of striated muscle 5
 - b) Sliding Filament theory. 5
4. Write composition and functions of blood. 10
- OR**
- Write short notes on:
- a) Blood groups. 5
 - b) Blood pressure. 5
5. Write in 4 – 5 lines **any ten**. 10
- | | |
|--------------------------|---------------------|
| i) Dialysis | ii) PCT |
| iii) Hypertonic solution | iv) Thyroxine |
| v) Ovulation | vi) Testosterone. |
| vii) Monopolar neuron | viii) Myelin sheath |
| ix) Action potential | x) ECG |
| xi) Systole | xii) Factor x |
