

B.Sc. CBCS Pattern Semester-IV  
**USCZOT08 - Zoology Paper-II : Physiology & Biochemistry- II**

P. Pages : 1

Time : Three Hours



**GUG/W/23/12005**

Max. Marks : 50

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

1. Describe the mechanism of urine formation. 10

**OR**

Write a notes on:

- |                         |   |
|-------------------------|---|
| i) Structure of Nephron | 5 |
| ii) Dialysis.           | 5 |

2. Write a detailed account on functions of adenohipophysis. 10

**OR**

Write a note on:

- |                                 |   |
|---------------------------------|---|
| i) Menstrual cycle              | 5 |
| ii) Functions of thyroid gland. | 5 |

3. Write an essay on sliding filament theory of muscle contraction. 10

**OR**

Write a note on:

- |                    |   |
|--------------------|---|
| i) Types of Neuron | 5 |
| ii) Nerve impulse. | 5 |

4. Write a detailed account on W. B. C. with its function. 10

**OR**

Write a note on:

- |              |   |
|--------------|---|
| i) Rh factor | 5 |
| ii) E. C. G. | 5 |

5. Write in 4 - 5 lines **any ten**. 10

- |                     |                   |
|---------------------|-------------------|
| i) Glomerulus.      | ii) PCT           |
| iii) Osmoregulation | iv) Simple goiter |
| v) Ovulation        | vi) Progesterone  |
| vii) Tetanus        | viii) Sarcomere   |
| ix) Impulse         | x) RBC            |
| xi) Blood pressure  | xii) Systole      |

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