

B.Sc. (CBCS Pattern) Semester-IV
USCZOT08 - Zoology paper-II - Physiology & Biochemistry-II

P. Pages : 1

Time : Three Hours



GUG/W/24/12005

Max. Marks : 50

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

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| 1. | Describe in detail the mechanism of urine formation. Add a note on Dialysis. | 10 |
| | OR | |
| | a) Structure of uriniferous tubule. | 5 |
| | b) Counter-Current mechanism. | 5 |
| 2. | Write an essay on Menstrual cycle. | 10 |
| | OR | |
| | a) Structure and Function of Pituitary gland. | 5 |
| | b) Male and Female sex hormones. | 5 |
| 3. | Describe in detail Ultra-Structure of Striated muscle. | 10 |
| | OR | |
| | a) Conduction of Nerve Impulse. | 5 |
| | b) E.M. Structure of Neuron | 5 |
| 4. | Write an essay on Cardiac cycle. | 10 |
| | OR | |
| | a) E.C.G. | 5 |
| | b) Composition and function of Blood. | 5 |
| 5. | Write short notes on the following any ten . | 10 |
| | i) Diuresis. | |
| | ii) Renal artery | |
| | iii) Any two normal constituents of Urine | |
| | iv) Thyroxine | |
| | v) Goiter | |
| | vi) ACTH | |
| | vii) Isometric contraction | |
| | viii) Muscle Fatigue | |
| | ix) Bipolar neuron | |
| | x) Sphygmomanometer | |
| | xi) Blood Group | |
| | xii) Prothrombin | |
