

M.Sc. (Zoology) (NEP Pattern) Semester-III
03MSCZO02 - Paper-II : Animal Physiology

P. Pages : 1

Time : Three Hours



GUG/S/25/16032

Max. Marks : 80

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- Notes :
1. All Sections / parts are compulsory.
 2. Draw neat labelled diagrams, wherever necessary.
 3. There will be five descriptive questions, each carrying 16 marks.

1. Describe in details about Regulation of Urine formation. 16

OR

Write notes on :

- a) Pancreas 8
- b) Histology of stomach 8

2. Write in detailed on transport of Oxygen and carbon dioxide. 16

OR

Write notes on

- a) Respiratory capacities and volumes. 8
- b) Angioplasty 8

3. Discuss in detail on Ultrastructure of Muscles. 16

OR

Write notes on

- a) Initiation and conduction of Nerve Impulses. 8
- b) Structure of ear. 8

4. Give an account on composition & formation of lymph. 16

OR

Write notes on

- a) Metabolic disorders. 8
- b) Immunological surveillance. 8

5. Attempt the following 16

- a) Nephron
- b) Blood pressure
- c) Isotonic and Isometric contractions
- d) Caloric requirement
