

M.Sc. - I (Zoology) CBCS Pattern Semester-I
PSCZOOT02 - General Physiology Paper-II

P. Pages : 1

Time : Three Hours



GUG/W/23/11176

Max. Marks : 80

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

1. Write an essay on neurotransmitters. 16

OR

Write notes on:

- a) Colour change mechanism.
- b) Respiratory pigments.

2. Write an essay on Osmoregulation. 16

OR

Write notes on.

- a) Thermoregulation in poikilotherms and homeotherms.
- b) Bioluminescence.

3. Give an account of cardiac cycle. 16

OR

Write notes on.

- a) Digestion and absorption of Protein in GI tract.
- b) Glycolysis

4. Give an account of Cerebrospinal fluid. 16

OR

Write notes on.

- a) Mineral metabolism in bone.
- b) Mechanism of reflex action.

5. Attempt the following. 16

- a) Activators and inhibitors.
- b) Singla transduction
- c) Transamination
- d) Tolerance
