

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:

- Colour change mechanism.
- Respiratory pigments.

2. Write an essay on Osmoregulation. **16**

OR

Write notes on.

- Thermoregulation in poikilotherms and homeotherms.
- Bioluminescence.

3. Give an account of cardiac cycle. **16**

OR

Write notes on.

- Digestion and absorption of Protein in GI tract.
- Glycolysis

4. Give an account of Cerebrospinal fluid. **16**

OR

Write notes on.

- Mineral metabolism in bone.
- Mechanism of reflex action.

5. Attempt the following. **16**

- Activators and inhibitors.
- Singla transduction
- Transamination
- Tolerance
