

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

P. Pages : 1

Time : Three Hours



GUG/W/22/11176

Max. Marks : 80

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

1. Give an detail account on classification of Enzyme. **16**

OR

Write notes on:

- Mechanism of O₂ transport.
- Chromatophores and melanophores.

2. Give an account of osmoregulation in Pisces. **16**

OR

Write notes on:

- Thermoregulatory mechanism.
- Membrane receptor's and signal transduction.

3. Give an detail account on cardiac cycle. **16**

OR

Write notes on:

- Glycogenesis.
- Cholesterol Metabolism.

4. Write an essay on cerebrospinal fluid. **16**

OR

Write notes on:

- Reflex action.
- Resistance and adaptation.

5. Attempt the following: **16**

- Neurotransmitters.
- Light producing organs.
- Protein digestion.
- Egg shell formation.
