

M.Sc.(Zoology) (CBCS Pattern) Semester - III
PSCZOOT10-8 - Paper-X-Special Group : Environmental Biology-I
(Ecosystems and Communities)

P. Pages : 1

Time : Three Hours



GUG/S/23/11314

Max. Marks : 80

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

- 1.** Describe details on structure and functions of marine ecosystems. **16**
OR
 - a) Write notes on Y shaped and universal model.
 - b) Write notes on food web.
- 2.** Give details on Effects and control measures of Eutrophication. **16**
OR
 - a) Give the details on collection, preservation and importance of Nekton.
 - b) Write a notes on Carbon and Oxygen cycle.
- 3.** Give the details on measurement of productivity by light and dark bottle method. **16**
OR
 - a) Write a notes on Biotic community: definition, concept and characteristics.
 - b) Write a notes on Ecological niche.
- 4.** Give the details on Biometeorology scope and factors. **16**
OR
 - a) Give details on Major biomes of the world.
 - b) Write on Water as essential factors of meteorological studies.
- 5.** Write short notes on following. **16**
 - a) Beneficial effects of planktons.
 - b) Nitrogen cycle.
 - c) Significance of succession.
 - d) Radiant energy.
