

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

P. Pages : 1

Time : Three Hours



GUG/W/18/11314

Max. Marks : 80

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

1. Describe in detail the structure and functions of a forest ecosystem. 16

OR

Write notes on:

- a) Y Shaped model. 8
- b) Nature and distribution of Plankton. 8

2. Write an account on definition collection, preservation and importance of Nekton. 16

OR

Write notes on:

- a) Types and effects of eutrophication. 8
- b) Water cycle in nature. 8

3. Write an account of types and process of ecological succession in a pond ecosystem. 16

OR

Write notes on:

- a) Ecological Indicators. 8
- b) Community stratification. 8

4. Write an account on Major Biomes of the world. 16

OR

Write notes on:

- a) Scope of Biometeorology. 8
- b) Radiant energy. 8

5. Attempt the following. 4x4=16

- a) Food chain
- b) Benthos
- c) Primary productivity
- d) Effect of temperature on animals.
