

M.SC.(Zoology) Third Semester (Old)
MSC11-4-Paper-XI-ZOO-11 Special Group- Environmental Biology-I
Ecosystems and Communities

P. Pages : 1

Time : Three Hours



GUG/W/18/2321

Max. Marks : 80

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Illustrate your answers with suitable figures.

1. Give details account on types of ecological pyramids. 16

OR

- a) Y-Shaped energy flow model.
- b) Structure of freshwater ecosystem.

2. Give details account on Biochemical cycles in nature. 16

OR

- a) Eutrophication.
- b) Periphytons and its importance.

3. Give details account on ecological succession and add a note on its significance. 16

OR

- a) Ecological niche.
- b) Concept of Biotic community.

4. Give details account on Biometeorology, scope and factors. 16

OR

- a) Radiant energy.
- b) Biosphere.

5. Attempts the following. 16

- a) Plankton nature and its distribution.
- b) Nitrogen cycle.
- c) Ecotone.
- d) Essential factors for meteorological studies.
