

M.Sc. DEGREE I SEMESTER EXAMINATION IN ENVIRONMENTAL TECHNOLOGY,
DECEMBER 2005

ENV 2101 ENVIRONMENTAL BIOLOGY

Time : 3 Hrs.

Maximum marks : 50

1. Write very brief notes on any SIX of the following

- a. Ecotone
- b. Nutrient depletion
- c. Pyramid of Biomass
- d. Deep sea scattering line
- e. Ecolabelling
- f. Ecological niche
- g. Amphidromous species
- h. Redox Potential

6 x 2 = 12

2. Short notes on any SIX

- a. Biodiversity
- b. Energy flow in a ecosystem
- c. Adaptive radiation
- d. Sustainable yield
- e. Thermocline
- f. Microclimate
- g. Animal segregation
- h. Community stratification

6 x 3 = 18

3. Write essays on any TWO

- a. Intertidal adaptations
- b. Natural selection
- c. Deep sea adaptations
- d. Standing crop

2 X 5 = 10

4. Write an essay of any ONE

- a. Define organic production, what are the factors affecting organic production
- b. Animal responses to light and temperature in aquatic environment
- c. Discuss various types of isolations and their ecological impacts on communities

1 X 10 = 10