

ENVIRONMENTAL SCIENCES

PRACTICALS

Duration : 5 Hrs.

M.M.:75

	Regular	Ex- Students
1. Major Exercise	15	25
2. Major Exercise	15	15
3. Minor Exercise	10	08
4. Spots	20	20
5. Viva - Voce	10	10
6. Record	05	—
Total :	75	75

FIRST YEAR SCIENCE - 2007-2008

ENVIRONMENTAL SCIENCES

PRACTICALS

1. Examination of Soil :

- i) Determination of soil structure
- ii) Determination of soil texture
- iii) Determination of soil moisture
- iv) Determination of soil organic matter
- v) Study of soil profile
- vi) Quantitative estimation of carbonate / bicarbonates / chlorides
- vii) Estimation of percentage of calcium carbonate by rapid titration method
- viii) Water holding capacity, wilting coefficient and specific gravity, bulk density, porosity.

2. Community studies :

To determine the minimum size of a quadrat for a grassland / forest by species area curve method.

Determination of frequency, density, abundance and IVI with the help of Quadrat method.

To determine the index of dominance in a grassland community.

Aquarium as an ecosystem.

Determination of rate of production by harvest method.

Rapid field tests for pH, carbonate, nitrate and chloride.