

16. Mackenzie, A et al. 1999. Instant Notes in Ecology. Viva Books Pvt. Ltd Delhi.

17. For laboratory exercises

a. Krebs, C.J. 1989. Ecological Methodology. Harper and Row, New York.

b. Ludwig, J.A. and Reynolds, J.F. 1988. Statistical Ecology. Wiley. New York.

c. Moore, P.W. and Chapman, S.B. 1986. Methods in plant Ecology. Blackwell scientific publications.

### Semester-V

### Botany Practical II

(Ecology, Environmental Biology and Phytogeography.)

**Time: 4 Hours**

**Max Marks: 40**

- Q.1. Give the external and internal features of ecological adaptations with neat labelled diagrams of specimen- A and mention the habitat to which it belongs. 08 Marks
- Q.2. Determine the moisture content & water holding capacity of sample 'B'. 05 Marks
- Q.3. Analyse sewage & waste water sample- C (pH, turbidity, TDS.). 06 Marks

- Q.4. a. Identify and describe the features of ecological interest in slide D. 03 Marks  
b. Describe the use and working mechanism of ecological instrument E. 03 Marks

Submission of Project (Industrial visit)	05
Marks Submission of Study tour report (Viva voce on Ecology/vegetation types studied during tour & project)	05 Marks
Journal	05 Marks

**B.Sc V Semester Practical Examination**

**Subject: Botany Paper- II**

**Instructions to Examiners.**

**Time: 4Hours**

**Max Marks: 40**

Q.1. Ecology specimen -A 08 marks

(External and internal ecological adaptations- 5 marks, diagram-2 marks, mentioning habitat- 1mark)

Q.2. Moisture content /water holding capacity of sample -B 05 marks

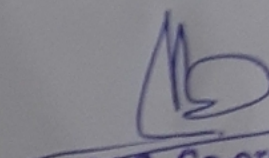
(Performing experiment and procedure-3 marks, calculation and result-2marks).

Q.3. Analysis of sewage and waste water sample -C. 06 marks

(PH-2marks, turbidity-2marks, TDS-2marks).



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