II B.Sc-SEMESTER-III

Anatomy and Embryology of Angiosperms, Plant Ecology and Biodiversity

Model question paper

Time: 03hrs. Max. Marks: 75

Draw diagrams where ever necessary

SECTION-A (Short Answer Questions)

Answer any four of the following Draw diagrams wherever necessary 5x5=25m

1. Tunica corpus theory
2. Wood structure of teak
3. Types of ovules
4. Ruminate endosperm
5. Food chain
6. Soil profile
7. Levels of Biodiversity
8. NBPGR

SECTION -B (Essay questions)

Answer ALL of the following questions 5x10=50 m

8. Explain about Epidermal tissue system?

Or

Describe the anomalous secondary growth in Dracaena?

9. Write an essay on Tetrasporic type of Embryosacs?

Or

Explain about types and Biological importance Endosperm?

10. Discuss about Physical and chemical properties of Soil?

Or

Define the concept of Ecosystem? Write about the components of Ecosystem?

11. Explain the characterstics of a Popultaion?

Or

Write an essay on Production Ecology?

12. Explain the levels of Biodiversity?

Or

What is conservation? Explain the strategies of conservation?

Model paper for Practical Examination

Semester – III/ Botany Core Course – 3

Anatomy and Embryology of Angiosperms, Plant Ecology and Biodiversity

Max. Time: 3 Hrs. Max. Marks: 50

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1. Take T.S. of the material 'A' (Anatomy), prepare a temporary slide and justify theidentification with specific reasons. 10 M
2. Write the procedure and Determination of soil pH. 10 M
3. Take T.S. of the material 'C', prepare a temporary slide and justify the identification with specific reasons. 10 M
4. Identify the following with specific reasons. 4 x 3 = 12 M
   a. Embryology
   b. Ecology instrument
   c. Mapping of Biodiversity hot spot
   d. Endemic/endangered plant/animal
5. Record + Viva-voce 5 + 3 = 8 M