

MSc Sem.-1 Examination

404

Botany

February-2025

Time : 2-30 Hours]

[Max. Marks : 70

Instructions: All Questions carry equal marks
Attempt all Questions

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|-------|--|----|
| Q I | Give detail report on World centres of primary domesticated plants. | 14 |
| OR | | |
| Q I | A. Essential oils and its economic significance | 7 |
| | B. Classify Fibres according to origin and structure and describe Soft fibre with one example | 7 |
| Q II | Explain in details: Conservation methods and documentation in Ethnobotany | 14 |
| OR | | |
| Q II | A. What is voucher specimen? Explain it with example. | 7 |
| | B. Explain any two ethnomedicinal plants. | 7 |
| Q III | Explain biosynthetic pathway of secondary metabolites with an example. | 14 |
| OR | | |
| Q III | A. What is active principle? Explain underground plants parts used in extraction of secondary metabolites. | 7 |
| | B. Give details of instruments and equipment used in phytochemistry | 7 |
| Q IV | Explain Paper making process with its raw materials. | 14 |
| Q IV | A. Give Classification of Dye and explain dyes from flowers. | 7 |
| | B. National Parks and its important | 7 |
| Q V | Attempt any 7 out of 12 MCQs/Short question (One- or Two-line answer)/ Fill in the blanks/True or False etc. | 14 |
| | 1 Main role of NAFED | 2 |
| | 2 Full form: CRM | 2 |
| | 3 Drying oils when exposed to in air, what happens? Answer in two to three sentence. | 2 |
| | 4 What is ethnobotany? | 2 |
| | 5 Give full form of IUCN. What is its role? | 2 |
| | 6 Give any two scientific names of medicinally important fruits and its medicinal uses. | 2 |
| | 7 By which Pathway Terpenes produced? | 2 |
| | 8 Soxhlet extraction is also known as what? Explain the role of Soxhlet. | 2 |
| | 9 Which Chromatographic Technique is used to analyse volatile substances? Write any two uses of it. | 2 |
| | 10 Oleo gum resins are mixture of what? Give the scientific name of plat from which Oleo gum extracted. | 2 |
| | 11 Which plants provide raw material for paper making? | 2 |
| | 12 Write difference between National Park and Sanctuary | 2 |