

Sample Questions

M.Sc. Botany Semester IV

DSPMU, Ranchi

Paper: EC 03 BOT – Special Paper: Plant Taxonomy, Ethnobotany and Medicinal Plants

Q1. Short answer-type questions:

- (a) Remote sensing and GIS
- (b) Application of DNA markers in angiosperm taxonomy
- (c) Comparative account of family Acanthaceae and Lamiaceae
- (d) Enumerate ten medicinal plants having drug yielding barks
- (e) Floristic diversity of India
- (f) Nutraceuticals

Q2. Long answer-type questions:

- (a) Give an account of the important phylogenetic ideas and outline of system of classification for angiosperms as proposed by Arthur Cronquist.
- (b) Discuss why the origin of angiosperms is an “abominable mystery”.
- (c) What is herbarium? Explain the technique for herbarium preparation.
- (d) Give a detail account on identifying characters of any one dicotyledonous family mentioning its affinities and economic importance.
- (e) Write a note on standardization of herbal drugs.
- (f) Give an account of ten important medicinal plants of Jharkhand mentioning their biomolecules and therapeutic values.