

B. SC. Examination
Semester – VI
Botony NON - CBCS
Time Allowed: 3 hrs

M. Marks. 80

Note: Question paper comprises of 2 sections. Section – I comprises of 10 compulsory questions of 2 marks each. (Restrict your answer up to 20 words) Section II comprises of long answer type questions from each unit. Candidates are required to attempt one question from each unit. All questions carry equal marks.

SECTION – I

Q. 1. Very short answer type question (2x10 = 20)

- a) Define pedogenesis
- b) Define Ecotype
- c) Define endangered species with example
- d) Define primary succession
- e) Name the family to which cereals belongs
- f) Define Helio phytes with examples
- g) Define caryopsis
- h) Botanical name & family of groundnut
- i) Define Ginnmg
- j) Give botanical name of plant from which Quinine is obtained

SECTION – II (Long Answer)

Q. 2. Define soil profile. With the help of diagram describe different soil horizon (3,9)

Q.3. Discuss the morphological, anatomical and physiological adaptations of plant growing in Xeric condition.

UNIT – II

Q. 4. Write note on

- a) Food chain and its types
- b) Biological spectrum (6x2)

Q. 5. Define xero sere. With the help of diagram describe the various stages of xerophytic succession.

UNIT – III

Q. 6. Describe the role of remote sensing and GIS in environmental management (6,6).

Q. 7. Write note on

- a) Tropical forests
- b) Method of ex situ conservation (6,6)

UNIT – IV

Q. 8. What are alcoholic beverages? Give the botany and processing of coffee (3,9)

Q. 9. Give the botanical name, family and part used of following

- a) Cumin
 - b) Ginger
 - c) Cardamom
 - d) Clove
- (4x3)

UNIT – V

Q. 10. Give a brief account of medicinal plants of J&K State studied by you.

Q. 11. Write short note on

- a) Processing of rubber
- b) Cultivation and uses of groundnut.

