

B.Sc. Semester - 5 (NEP-2020) Examination**Oct/Nov - 2025****BOT: Plant Morphology and Ethnomedicine (IKS) (Major-11)****Time: 2:00 Hours****Marks:50****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que.1(A) Describe in detail: (Any one) (08)
- 1) Describe the types of leaf with an example.
 - 2) Discuss the importance of phyllotaxy with its types.
- Que.1(B) Write short note: (Any one) (04)
- 1) What is stipule? Discuss its types with an example.
 - 2) How we can morphologically distinguished monocot and dicot plant.
- Que.2(A) Describe in detail :(Any one) (09)
- 1) Explain special types of inflorescence with its impotrtnance and examples.
 - 2) Describe the types of fruits with an example.
- Que.2(B) Write short note:(Any one) (04)
- 1) What is a flower? Describe the parts of a typical angiosperm flower?
 - 2) What is placentation? Describe types of placentation.
- Que.3(A) Describe in detail :(Any one) (08)
- 1) Describe the sacred and magico-religious beliefs associated with Tulsi and Pipalo.
 - 2) Explain the concept of ethnobotany and discuss its interdisciplinary nature.
- Que.3(B) Write short note:(Any one) (04)
- 1) What is historical significance of ethnobotany in India.
 - 2) Shortly describe two documentation methods used for preserving traditional knowledge.
- Que.4(A) Describe in detail :(Any one) (09)
- 1) Classify medicinal plants based on the part used, active constituents and therapeutic value with an examples.
 - 2) Write an elaborate account on the medicinal importance of the Datura and Aegle plants.
- Que.4(B) Write short note:(Any one) (04)
- 1) Define Ayurveda and mention its basic principles.
 - 2) Differentiate between Siddha and Homeopathy system of medicine.
