

B.Sc. Semester - 3 (NEP-2020) Examination

OCT/NOV-2025

BOT: Medicinal Botany (Multidisciplinary Course)

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) Give a detailed account of the medicinal uses and chief chemical constituents of *Vitex negundo*.
 - 2) Discuss the importance of *Tinospora cordifolia* and *Cinnamomum verum*.
- Que.1(B) Write Short note: (Any One) (04)
- 1) Write a short note on the chemical composition of root of *Asparagus racemosus*.
 - 2) Write a short note on the uses of the bark of *Cinnamomum verum*.
- Que.2(A) Describe in detail: (Any one) (09)
- 1) Describe in detail the chief chemical constituents found in the flower of *Syzygium aromaticum*.
 - 2) Explain in detailed: *Moringa pterygosperma*.
- Que.2(B) Write Short note: (Any One) (04)
- 1) Write a short note on *Datura metel* seed.
 - 2) Write a short note on *Syzygium aromaticum*.
- Que.3(A) Describe in detail: (Any one) (08)
- 1) Describe in detail the extraction techniques: 1) Maceration & 2) Decoction.
 - 2) Give a detailed account of the properties and uses of Alkaloids, flavonoids and glycosides as important phytochemical.
- Que.3(B) Write Short note: (Any One) (04)
- 1) Write a short note on the methods of extraction by percolation method.
 - 2) Write a short note on definition of crude drugs with based on classification of morphology.
- Que.4(A) Describe in detail: (Any one) (09)
- 1) Describe in detail Ex-situ conservation including (Botanical gardens and Seed banks).
 - 2) Explain in detail the need of conservation and its outcomes.
- Que.4(B) Write Short note: (Any One) (04)
- 1) Write a short note on Conservation strategies.
 - 2) Write a short note on Conservation in natural habitats.
