

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

OCT/NOV-2024

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) Explain the pharmacological properties of *Asparagus racemosus* root in both indigenous and allopathic systems of medicine. How does its chemical composition support these uses?
 - 2) Discuss the medicinal applications of *Vitex negundo* leaves in treating respiratory and inflammatory conditions, and explain how its chemical constituents contribute to these effects.
- Que-1 (B) Write short note:(Any one): (04)**
- 1) Describe the primary chemical constituents of *Asparagus racemosus* (Shatavari) root and its role in indigenous medicine.
 - 2) What are the key medicinal properties of the leaves of *Vitex negundo* (Nagod)?
- Que-2 (A) Describe in detail: (Any one) (09)**
- 1) Discuss the medicinal properties of *Syzygium aromaticum* flowers, highlighting their chemical composition and therapeutic applications in both indigenous and allopathic systems.
 - 2) Analyze the pharmacological activities of *Moringa pterygosperma* fruit, emphasizing its nutritional components and their health benefits in both traditional and modern medicine
- Que-2 (B) Write short note:(Any one): (04)**
- 1) What are the key chemical constituents of *Syzygium aromaticum* (Laving) flowers, and how are they used in indigenous medicine?
 - 2) List the major active compounds found in the fruit of *Moringa pterygosperma* (Sargavo) and their medicinal benefits.
- Que-3 (A) Describe in detail: (Any one) (08)**
- 1) Describe the various pharmacological activities of *Tinospora cordifolia* stem, and explain the significance of its chemical constituents in supporting immune health.
 - 2) How is *Cinnamon zeylanicum* bark utilized in modern and traditional medicine? Discuss its chemical composition and pharmacological actions in detail.
- Que-3 (B) Write short note:(Any one): (04)**
- 1) Summarize the main active compounds found in *Tinospora cordifolia* (Galo) stem.
 - 2) Identify the major chemical constituents of *Cinnamon zeylanicum* (Taj) bark and its traditional uses.
- Que-4 (A) Describe in detail: (Any one) (09)**
- 1) Describe the toxicological aspects and medicinal uses of *Datura metel* seeds, focusing on the primary alkaloids present. How do these compounds influence their therapeutic applications?
 - 2) Examine the role of *Syzygium aromaticum* in treating specific health conditions in allopathic medicine. Discuss its active compounds and their pharmacological effects in detail.
- Que-4 (B) Write short note:(Any one): (04)**
- 1) Identify the primary pharmacological uses of *Datura metel* (Dhatura) seeds in traditional medicine.
 - 2) Explain the significance of *Syzygium aromaticum* flowers in allopathic medicine. What are their common uses?
