

U.G. 2nd Semester Examination - 2025**BOTANY****[Skill Enhancement Course (SEC)]****Course Code : BOT-SEC-T-02(A&B)****[NEP-2020]**

Full Marks : 25

Time : 1½ Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.***Answer all the questions from Selected Option.****OPTION-A****BOT-SEC-T-02A****(Floriculture)****[Marks : 25]**

1. Answer any five of the following: 1×5=5
- a) What is defoliation?
 - b) Define topiary.
 - c) What do you mean by commercial floriculture?
 - d) Name one orchid used as ornamental plant.
 - e) What is landscape gardening?
 - f) Name one shade loving plant.

[Turn over]

- g) What is mulching?
- h) What are plant growth regulators?
2. Answer any **two** of the following: $5 \times 2 = 10$
- a) What is the importance of floriculture? Write in brief about indoor plants.
- b) Write in brief about Bonsai and its practical utility.
- c) Give a short note on pests of ornamental plants.
- d) What is seed showing? Discuss the procedure of seed showing. $1+4$
3. Answer any **one** of the following: $10 \times 1 = 10$
- a) Write the general steps for cultivation of Marigold and Gerbera. $5+5$
- b) Mention the steps of production and packing of cut flowers. Write down the steps of soil sterilization. What is water garden? Name one famous garden of India. $4+4+1+1$

OPTION - B
BOT-SEC-T-02B
(Medicinal Botany)
[Marks : 25]

1. Answer any **five** of the following: $1 \times 5 = 5$
- a) What is 'ex situ' conservation of medicinal plants? Give one example.
- b) Write full form of AYUSH.
- c) What is polyherbal formulation? Give one example.
- d) What do you mean by Palaeo-ethnobotany?
- e) Mention two fundamental differences between folk medicine and modern medicine.
- f) Mention any two methods used in ethnobotanical study.
- g) Who is the father of Indian ethnobotany?
- h) Mention the importance of Botanic gardens in Indian Knowledge System.
2. Answer any **two** of the following: $5 \times 2 = 10$
- a) What do you mean by 'Rasayana' in Ayurveda? How different types of 'Rasayana' are involved in Ayurvedic formulation? $1+4$

- b) What is a sacred grove? Briefly describe its role in conservation. 2+3
- c) Distinguish between endemic and endangered medicinal plants. What is 'Red list Criteria'? 4+1
- d) Write the botanical name, part/s used and family of any two plants for treatment of Blood pressure and Jaundice. $2\frac{1}{2}+2\frac{1}{2}$
3. Answer any one of the following: $10 \times 1 = 10$
- a) - What is a nursery? Mention its main objectives in medicinal Botany. How can you classify different types of nurseries in medicinal plant propagation? What are the roles of green house in nursery management ? 1+2+5+2
- b) Define Ayurveda. Briefly mention the concepts of Panchamahabhutas, Saptadhatu and Tridosha theory in Ayurveda. 1+3+3+3
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