



9. Which of the following statement is **CORRECT**?
- Epiphyte, which later in its life, reaches the ground. Its root develops and makes contact with the ground is called Proto-epiphytes
  - Epiphyte which completes its lifecycle on the host plant without coming on the ground is called Holo-epiphyte.
  - Epiphyte which completes its lifecycle on the host plant and on the ground simultaneously is called Holo-epiphyte.
  - Epiphyte which dependent on the host to derive nourishment. It lacks adaptive features except for aerial roots is called Hemi-epiphyte.
10. In the indoor gardening, Sansevieria plant can be placed in .....of the house.
- South window side
  - Dark corner
  - East and west window side
  - North-East window side

SECTION "B"

[10Q × 0.5 = 5 marks]

**Fill in the blanks.**

- Engaging in the gardening activity on unpaid basis rather than professionals' means \_\_\_\_\_.
- Hardening of ornamental plants before transplanting to main field is done in \_\_\_\_\_.
- Those flowers (or flower buds) harvested with stalk, especially for arrangement in vases are called \_\_\_\_\_.
- Silver Thiosulphate (STS), a potent inhibitor of ethylene compounds can be used in \_\_\_\_\_ for different cut flowers.
- Gerbera flowers that posed two rows of overlapping petals, with one or more inner rows of shorter petals (Trans florets), and a green or dark center are classified as \_\_\_\_\_.
- For commercial cultivation of gladiolus, size of the corms should be used \_\_\_\_\_ for flower production.
- Miniature arrangement is a type of flower arrangement where small flowers are arranged in small containers, bottles, etc. and size should not be \_\_\_\_\_.
- In \_\_\_\_\_ style of bonsai trunk of a tree may be laid or trained horizontally and the branches of the upper side left to represent trees.
- Method to rejuvenate of lawn by replacing the few unhealthy patches is known as \_\_\_\_\_.
- Greenhouse should be oriented in \_\_\_\_\_ to avoid continuous shading of certain portions of the greenhouse by its structural members.

KATHMANDU UNIVERSITY  
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Level : B.Sc.  
Year : I  
Time : 2 hrs. 30 mins.

Course : AGRS 117  
Semester : II  
F.M. : 40

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SECTION "C"  
[6Q × 4 = 24 marks]  
(Short answer questions)

Attempt *ANY SIX* questions.

1. Briefly describe the scope and constraints of ornamental horticulture development in Nepal. [2+2=4]
2. Define nursery? Briefly discuss the types of nursery media used in the commercial farms of ornamental plants. [1+3=4]
3. As a horticulturist, what are the methods you will use to propagate commercial cultivars of rose?
4. Briefly discuss the management of lawn grasses in a well-established lawn.
5. Discuss the physical treatment for longevity of postharvest life of cut and loose flowers.
6. Differentiate the following: [2+2=4]
  - a. Formal style gardening Vs. Informal style gardening
  - b. Cascade style bonsai Vs. Slanting style bonsai
7. What is Ikebana? Briefly write the rules of Ikebana flower arrangement. [1+3=4]

SECTION "D"  
[2Q × 8 = 16 marks]  
(Long answer questions)

Attempt *ANY TWO* questions.

8. What is cut flower? Discuss the commercial cultivation practices of gladiolus. [1+7=8]
9. Define land scape gardening? Describe the principles of landscape design and factors affecting landscape design. [1+4+3=8]
10. What is protective cultivation? Discuss different types of greenhouse which are used in commercial cultivation of ornamental plants. [1+7=8]

