

KERALA AGRICULTURAL UNIVERSITY
B.Sc.(Hons.) Agriculture – 2007 Admission – IIIrd Semester
Final Examination – February/March 2009

Title : Hort. 2103

Max. marks: 80

Course: Landscaping and Ornamental Horticulture (1+1) Time : 3 hours

I.a. Fill up the blanks

(20 x 0.5 = 10)

1. Bonsai of height beyond _____ cm is grouped as large
2. Geotropic bending is a disorder in _____
3. _____ is cultivar of Dendrobium orchid
4. _____ is the leading country in international flori business
5. _____ is known as Indian Ivy
6. _____ is the state leading in flower production in India
7. _____ species of *Jasminum* lacks smell
8. _____ is a method followed in essential oil extraction which uses liquid CO₂
9. Quilling of florets in chrysanthemum due to _____
10. Chrysanthemum is a _____ day plant.

I.b. True or False

11. Penjai and Penjing are types of Chinese bonsai
12. The planting density for carnation in green house is 35 – 42 / m²
13. Double faced flower is a common disorder in orchids
14. Glycerol is used for drying foliage
15. Swarna rekha is a double flowered tuberose cultivar

I.c. Match the following

- | | | |
|---------------------|---|--------------------|
| 16. Transvaal daisy | - | Bulbous ornamental |
| 17. Caladium | - | Gladiolus |
| 18. Sword lily | - | Foliage climber |
| 19. Philodendron | - | Dahlia |
| 20. Peperomia | - | Gerbera |
| | - | Indoor plant |

II. Write answers in a word or sentence / Define

(10 x 1 = 10)

1. Define proportion in landscape design
2. Give an example for a lawn grass suitable for sunny place
3. Give an example for foliage anthurium
4. Give a plant species suitable for bonsai making

5. Define trophy and topiary
6. Name any two types of Dahlia
7. Give a plant species suitable for water garden
8. What is the cause for tip burn in carnation
9. Give an example for a fern suitable for interior scaping
10. Why bending is done in cut roses?

III. Write short notes / answers etc. ANY TEN

(10 x 2 = 20)

1. Distinguish between rock garden and water garden
2. Distinguish between roof garden and sunken garden
3. Distinguish formal upright bonsai and cascade bonsai
4. Repotting of orchids
5. Garden enclosures
6. Distinguish avenue planting and group planting
7. Maintenance of indoor plants
8. Propagation of orchids
9. Vase solution used for fresh flowers
10. Classification of marigold
11. Enumerate methods of dry flower making
12. Media used for epiphytic orchids and anthurium

IV. Write short essays on ANY FOUR of the following

(4 x 5 = 20)

1. Classification of bonsai based on shape
2. Cacti and succulent – definition, classification and special requirements
3. Steps in preparation of a landscape plan
4. Classification of orchids
5. Special horticultural practices in carnation
6. Value addition in floriculture

V. Write essays on ANY TWO

(2 x 10 = 20)

1. Lawn preparation, methods and management
2. Bulbous plants – their classification, propagation methods, planting and after care
3. Enumerate the types of garden and discuss in detail any two of them

(or)

Discuss on present status of floriculture in India and the problem and prospects of