



K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

Roll no.....

End Semester Examination, December 2024

B. Sc. (Hons.) Agriculture-III semester

Introduction to Horticulture (SAAG123A)

Time: 2.5 hrs.

Max Marks: 30

Instructions:

- 1) Question No. 1 under Section-A is compulsory.
- 2) Attempt any four from Q. No. 2 to Q. No. 6 under Section-B
- 3) Attempt any two from Q. No. 7 to Q. No.9 under Section-C

Section-A(Compulsory)

Section-A(Compulsory)

1. (a) Fill in the blanks with appropriate words: 2
[CO-1] [L-1]

- (i) Fruit rich source of Vitamin C is
- (ii) India is the second largest producer of fruit after

1. (b) Give the term used for the following: 2
[CO-1] [L-1]

- (i) Tropical Fruits
- (ii) Temperate Fruits

1. (c) Match the items given in Column-A with those in Column-B: 2
[CO-3] [L-5]

- | Column-A | Column-B |
|----------------------------|---------------|
| (i) King of tropical fruit | (a) Myrtaceae |
| (ii) Family of guava | (b) Mango |

Section-B

2. (a) What is the role of soil and climate in horticulture crops
(b) Define the terms: Grafting and Budding 3[CO-3] [L-2]
3. Differentiate between sexual and asexual propagation 3[CO-2] [L-2]
4. Explain the different methods to overcome seed dormancy 3[CO-2] [L2]
5. Write down the principles of training and pruning 3[CO-4] [L-3]
6. (a) What is the difference between seed dormancy and seed germination
(b) Explain the different branches of horticulture 3[CO-1] [L-1]

Section-C

7. (a) Describe in detail about the classification of fruit based on climatic requirement
(b) Describe the principles and methods of training and pruning. 6 [CO-3] [L-1]
8. (a) Define Fertilizer?
(b) Explain in brief different methods of fertilizer application 6 [CO-4] [L-2]
9. Enlist the uses of plant growth regulators in horticulture crops. 6[CO-4] [L- 1]

Key

Q1(a) (i) Mango

(b) Amrapali

Q1 (d) (i)b (ii) a