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## BRAINWARE UNIVERSITY

Term End Examination 2022

Programme – B.Sc.(Ag)-Hons-2021/B.Sc.(Ag)-Hons-2022

Course Name – Fundamentals of Horticulture

Course Code - CC-BAG174(T)

( Semester I )

Full Marks : 50

Time : 2:0 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

### Group-A

(Multiple Choice Type Question)

1 x 20=20

1. Choose the correct alternative from the following :

- (i) Predict the right one - Percentage of nitrogen content in urea  
 a) 16  
 b) 64  
 c) 46  
 d) 50
- (ii) Predict the right one - The flowering of day neutral plant is  
 a) Affected by photoperiod  
 b) Affected when the night length exceed their critical photoperiod  
 c) Not affected by photoperiod  
 d) Affected by Long Day period
- (iii) Predict the right one - Temperature below freezing point in winter is the hall mark of  
 a) Tropical climate  
 b) Sub-tropical climate  
 c) Temperate climate  
 d) None of these
- (iv) Identify the right one - Alternate bearing is seen in  
 a) Citrus  
 b) Coconut  
 c) Mango  
 d) Jackfruit
- (v) Identify the right one - Part of the flower that forms seed  
 a) Ovary  
 b) Ovule  
 c) Nucleus  
 d) Integument
- (vi) identify the right one - Pollination through wind is known as  
 a) Ornithophily  
 b) Entomophily  
 c) Anemophily  
 d) All of these
- (vii) Identify the right one - Plants which bear male and female flowers on different plants are known as  
 a) Monoecious  
 b) Dioecious  
 c) All of these  
 d) None of these
- (viii) Identify the right one - Number of essential nutrients required for plants  
 a) 17  
 b) 20  
 c) 15  
 d) 10
- (ix) Identify the right one - Soilless culture is practiced in  
 a) INM  
 b) Hydroponics

- c) Organic farming  
 (x) What does the word 'Hortus' mean  
 a) Fruits  
 b) Flowers  
 c) Garden  
 d) Orchard  
 (xi) Select the right one - The term 'Horticulture' has its root from  
 a) English  
 b) Greek  
 c) French  
 d) Latin  
 (xii) What does pomology refer  
 a) Marketing of fruits  
 b) Science of fruit growing  
 c) Multiplication of fruit crops  
 d) All of these  
 (xiii) Who is Father of Modern Horticulture  
 a) Dr. K. L. Chadha  
 b) Dr. Bailey  
 c) Dr. Harbhajan Singh  
 d) Dr. S. Ramanujan  
 (xiv) Select the right one - spices are used to impart  
 a) Flavour  
 b) Aroma  
 c) Pungency  
 d) All of these  
 (xv) Select the right one - India is considered as  
 a) Home of Spices  
 b) Home of plantation crops  
 c) Home of flower crops  
 d) Home of aromatic crops  
 (xvi) Identify the exact chromosome number (2n) of brinjal  
 a) 32  
 b) 16  
 c) 28  
 d) 24  
 (xvii) Which spice is known as 'Queen of Spices'  
 a) Cinnamon  
 b) Cardamom  
 c) Clove  
 d) Fennel  
 (xviii) Which one is the largest producer of vegetables in the world  
 a) Brazil  
 b) India  
 c) China  
 d) Russia  
 (xix) In which city Central Institute of Sub-tropical Horticulture is situated  
 a) Anand  
 b) Kolkata  
 c) Varanasi  
 d) Lucknow  
 (xx) Predict the odd one based on respiratory behaviour  
 a) Guava  
 b) Sapota  
 c) Jackfruit  
 d) Grape

### Group-B

(Short Answer Type Questions)

2.5 x  
10=25

2. Classify fruits on the basis of climatic requirement (2.5)
3. Which are leading fruit growing states (2.5)
4. Classify fruits on the basis of ripening behaviour (2.5)
5. Justify the term soil and required characteristics of soil for horticultural crop cultivation (2.5)
6. Define horticulture (2.5)
7. Justify the principles of canopy management (2.5)
8. Analyze the advantages and disadvantages of asexual propagation (2.5)
9. Predict the term training and pruning (2.5)
10. Analyze the term pollination and types of pollination (2.5)
11. Explain the features of horticulture (2.5)

OR

Discuss about landscape gardening (2.5)

### Group-C

(Long Answer Type Questions)

5 x 1=5

12. Design different planting systems to make a layout of an orchard

OR

Propose different branches of horticulture

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