Semester : **I (New)**   **Term** : **I**   **Academic year:** **2020-21**
Course No. : **H/FS - 111**   **Title** : **Fundamentals of Horticulture**
Credits : **3 (2+1)**
Day & Date : **9/07/2021, Friday**   **Time: 12.00 - 2.00**   **Total marks: 80**

Note: 1. Solve **ANY EIGHT** questions from **SECTION 'A'**.
2. Solve **ANY Twelve** questions from **SECTION 'B'**.
3. All questions from section **C** are compulsory
4. Send the PDF file of answer sheet to the email id of respective course teacher

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SECTION 'A'

(Write the answer in 4-5 sentences only. Each question carries four marks)

Q.1 Write in short about Nutritive values of fruits and vegetables.
Q.2 Enlist different methods of layering .Explain any one of them
Q.3 Write in short the classification of fruit crop on the basis climatic requirement.
Q.4 Write down the principles of training and pruning
Q.5 Enlist the different methods of irrigation .Give advantages of drip irrigation method.
Q.6 Enlist different method of planting systems used in fruit crops. Explain any one of them.
Q.7 Enlist the uses of plant growth regulators in horticulture crops.
Q.8 Write short notes on. (Any one)
    1. High density planting   2. Bearing habit in fruit crops
Q.9 Give the merits and demerits of sexual propagation.

Q.10 Write about criteria for selection of site for establishment of fruit orchards

SECTION "B"

(Write the answer in one sentence only. Each question carries 2 marks)

Q.11 Define following terms.
1. Kitchen garden	2. Sucker	3. Windbreak
4.Climber	5.Micropropagation	6. Cutting
7. Spices.	8. Unfruitfulness	9. Fencing
10. Mulching	11. Intercropping	12.Layout
13. Floriculture	14. Plant growth regulator	

Q.12 Multiple choice question (MCQ)

1. Pineapple is which kind of fruit?
a) Sorosis   b) Capsule
c) Synconus   d) Drupe

2. Which one is not a berry fruit?
a) Banana   b) Papaya
c) Sapota   d) Bael

3. Which one is climacteric fruit?
a) Pineapple   b) Ber
c) Annona   d) Litchi

4. Edible part of banana is:
a) Mesocarp   b) Endocarp
c) Paricarp   d) Both a & b

5. Scientific name of pear:
a) *Prunus domestica* b) *Prunus pashia*
c) *Pyrus Pyrifolia* d) *None of these*

6. Custard apple is which kind of fruit botanically?
a) Sorosis b) Synconus
c) Eterio of berries d) Eterio of achenes

7. Edible part of anola is:
a) Mesocarp b) Endocarp
c) Epicarp d) Both a & b

8. Pollination in mango is done by:
a) Wind b) Honey bees
c) House flies d) Stone weevil

9. In-situ method of propagation of mango is
a) Veneer grafting b) Softwood grafting
c) Side grafting d) Inarching

10. Fig belongs to which family?
a) Moraceae b) Apocynaceae
c) Rosaceae d) Caricaceae

11. Spongy tissue is main problem of which mango cultivar:
a) Alphanso b) Bombay Green
c) Ambrapali d) Arka puneet

12. Sapota is belongs to which climate?
a) Temperate b) Tropical
c) Sub-tropical d) Arid zone

13. Grape is rich source of:
a) Folic acid b) Tartaric acid
c) Oxalic acid d) Citric acid

14. Mridula is famous cultivar of:
a) Guava b) Pomegranate
c) Grape d) Grape fruit

15. Which planting system is used in hilly region
a) Sqaure b) Quincunx
c) Contour d) None of these

16. Most widely accepted training system in grapes in India is:
a) Head system b) Bower system
c) Kniffin system d) Both a & B

17. Lalit is variety of:
a) Mango b) Pomegranate
c) Guava d) Grape

18. Origin centre of custard apple is:
a) China b) India
c) Tropical America d) Asia Minor

19. Kirti Bharti is important cultivar of:
a) Sapota b) Litchi
c) Peach d) Plum

20. PDKVChakradhar is seedless and thornless cultivar of
a) Acid lime
b) Sweet lime
c) Mandarin
d) Sweet orange

21. Which is cultivar of mango is stone less?
a) Ratna
b) Sindhu
c) Amrapali
d) Alphonso

22. Ganesh is famous variety of:
a) Mango
b) Pomrgranate
c) Guava
d) Grape

23. Katol gold is important cultivar of:
a) Acid lime
b) Sweet lime
c) Mandarin
d) Sweet orange

24. Wood apple belongs to which family?
a) Rutaceae
b) Rosaceae
c) Anacardiaceae
d) Annonaceae