

**DR. PANJABRAO DESHMUKH KRISHI VIDYAPEETH, AKOLA**  
**SEMESTER END THEORY EXAMINATION**  
**B.Sc. (Hons.) Horticulture**

Semester	:	III (NEW)	Term	:	I	Academic Year	:	2021-22
Course No.	:	H/FS-233	Title	:	Tropical and Sub-tropical Fruits			
Credits	:	3 (2+1)						
Day & Date	:	Monday, 18/04/2022	Time	:	12.00 to 2.00	Total Marks	:	80

- Note:** 1. Write Your Name, Roll No., Course No. and Course Title  
2. Solve **Any Eight questions from SECTION- A** .  
3. Solve **Any Twelve questions from SECTION- B** .  
4. All questions from **SECTION-C are compulsory**.  
5. Draw a well sketched diagram whenever necessary

**SECTION- A**

**(Write the answers in 4-5 sentences only. Each question carries 4 marks)**

- Q.1 Write in short classification based on fruit morphology.  
Q.2. Enlist the names of different Horticultural Zones of India.  
Q.3. Give the information regarding mango on following points.  
a) Scientific name and family b) Propagation method c) Planting season  
d) Improved varieties  
Q.4. Enlist the important special horticultural practices in banana and describe anyone.  
Q.5. Enlist the types of training systems in grapes and describe any one system.  
Q.6. Write three varieties of mandarin, sweet orange and lime.  
Q.7. What is papain? Describe the method of papain extraction.  
Q.8. Write the maturity indications of sapota.  
Q.9. Give the information of guava on following points.  
a) Scientific name b) family c) Type of bahar d) harvesting period  
Q.10. Write short notes (Any Two)  
i) Notching in fig ii) Spongy tissues iii) Pineapple varieties  
iv) Harvesting, grading and packaging of passion fruit.

**SECTION- B**

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

**Q.11 .Define the following terms**

1. Training 2. Pruning 3. Climate 4. Thinning 5. Propping 6. Parthenocarpy  
7. Propagation 8. Polyembryony 9. Diecious 10. Protandry 11. Fertigation  
12. Plant Growth Regulators 13. Dormancy 14. Mother plant

## SECTION- C

(Choose the correct option. Each question carries 1marks)

### Q.12 Multiple choice questions:

1. Mallika is the variety of			
a)	Grape	b)	Guava
c)	Mango	d)	Apple
2. The edible portion papaya is			
a)	Mesocarp	b)	Aril
c)	Endosperm	d)	Fleshy thalamus.
3. 'Arakta' is a variety of			
a)	Pomegranate	b)	Papaya
c)	Mango	d)	Guava
4. 'Dinkar' is a variety of			
a)	Grape	b)	Guava
c)	Mango	d)	Fig
5. Khirni is used as a rootstock in			
a)	Citrus	b)	Papaya
c)	Sapota	d)	Mango
6. Banana is commercially propagated by			
a)	Seed	b)	Budding
c)	Suckers & Tissue Culture	d)	Grafting
7. A notch is cut through the			
a)	Pith	b)	bud
c)	Bark	d)	Meristem
8. Alternative bearing is most common in			
a)	Mango	b)	Papaya
c)	Citrus	d)	Fig
9. Pink berry formation is common problem in ----			
a)	Guava	b)	Banana
c)	Grape	d)	Citrus
10. Pusa delicious and Coorg honey dew are the popular varieties of ----			
a)	Grapes	b)	Papaya
c)	Mango	d)	Guava
11. -----used for ripening in banana.			
a)	Ethylene	b)	GA3
c)	Hot water	d)	Wax
12. The filler tree in mango orchard is			
a)	Papaya	b)	Apple
c)	Ber	d)	Pomegranate
13. Neelum is regular bearing Variety of			
a)	Mango	b)	Clustered apple
c)	Fig	d)	Litchi
14. The 3 x2 m spacing for HDP is used in			
a)	Guava	b)	Jack fruit
c)	Banana	d)	Sapota

15. 'Sorosis' is term related to			
a)	Pomegranate	b)	Mango
c)	Ber	d)	Pine apple
16. Kagzi lime is commercially propagated			
a)	Grafting	b)	Budding
c)	Tissue culture	d)	Seed
17. Viticulture is related to the cultivation of			
a)	Guava	b)	Grape
c)	Pine apple	d)	Banana
18.----- Kaveri is a F <sub>1</sub> hybrid of			
a)	Passion Fruit	b)	Guava
c)	Mango	d)	Persimmon
19. Barkha and Kapa are the popular types of -----			
a)	Durian	b)	Jackfruit
c)	Annona	d)	Pine apple
20. Bunchy top disease is related to			
a)	Papaya	b)	Sapota
c)	Banana	d)	Guava
21. Dieback is a syndrome associated with			
a)	Mango	b)	Guava
c)	Citrus	d)	Sapota
22. Ambia Bahar flowering in citrus is in the month of			
a)	Jan - Feb	b)	June - July
c)	October-December	d)	None of these
23. Harvesting time of Mrig Bahar in Sweet Orange is			
a)	Jan - March	b)	Oct. - Dec.
c)	June - July	d)	None of these
24. Family of litchi is			
a)	Sapindaceae	b)	Moraceae
c)	Theaceae	d)	Apiaceae

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