# DR. PANJABRAO DESHMUKH KRISHI VIDYAPEETH, AKOLA SEMESTER END THEORY EXAMINATION

B.Sc. (Hons.) Horticulture

Semester	:	III (NEW)	Term	:	I	Aca	demic Year	:	2021-22
Course No.	:	H/FS-233	Title	:	Tro	pical a	nd Sub-tropi	cal F	ruits
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 CourseTitle

- 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

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#### 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. Enlistthe 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:

Company   Comp	1. Mallika is the variety of							
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  6. Mango d) Fig  7. 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 a) Grape d) Citrus b) Papaya c) Mango b) Papaya c) Grape c) Mango d) Grafting  7. A notch is cut through the a) Pith b) bud b) Banana c) Diffus do Citrus b) Papaya c) Mango d) Fig c) Pink berry formation is common problem in a) Guava b) Banana c) Grape d) Citrus d) Fig c) Pink berry formation is common problem in a) Grape d) Citrus d) Grape c) Mango d) Guava  11			h)	Cuava				
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13. Neelum is regular bearing Varity of	a)	Papaya	b)	Apple				
	c)	Ber	d)	Pomegranate				
a) Mango b) Clustered apple	13.							
	a)	Mango	b)	Clustered apple				
c) Fig d) Litchi	c)	Fig	d)	Litchi				
14. The 3 x2 m spacing for HDP is used in								
a) Guava b) Jack fruit		·	b)	Jack fruit				
c) Banana d) Sapota	c)	Banana	d)	Sapota				

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