

P P SAVANI UNIVERSITY

Second Semester of B.Sc. (Hons.) Agriculture End Semester Examination
December - 2022

SGAG 1140-Production Technology of Fruit and Plantation Crops

20.12.2022, Tuesday

Time: 10:00 a.m. to 12:00 a.m.

Maximum Marks: 50

Instruction:

1. Draw a neat and labeled diagram whenever it is required.
2. Start new questions from new page.

Q.1	Multiple choice questions (01mark each)	(15)	CO	BTI
1.1	Which one is a viral diseases of banana?		4	2
	a. Bunchy Top			
	b. Panama disease			
	c. Sigatoka disease			
	d. None of the above			
1.2	India is the origin for which fruit crop/crops?	1		1
	a. Ber			
	b. Jamun			
	c. Aonla			
	d. All of the above			
1.3	In banana, removal of male flower head is known as....	2		1
	a. Desuckering			
	b. Nipping off			
	c. Propping			
	d. Wedding			
1.4	In grafting, Scion is the....	1		2
	a. Upper part (Leaves and flowers)			
	b. Middle part (grafting part)			
	c. Basal Part (Root)			
	d. None of the above			
1.5	The season of planting of Mango is...	1		1
	a. December to January			
	b. March to July			
	c. February to June			
	d. July to December			
1.6	Botanical Name of the cashew nut is...	2		1
	a. <i>Musa paradisiaca</i>			
	b. <i>Cocos nucifera</i>			
	c. <i>Anacardium occidentale</i>			
	d. <i>Phoenix regia</i>			
1.7	"Neeleshan" is the cross between...	2		2
	a. Alphanso X Baneshan			
	b. Baneshan X Alphanso			
	c. Neelum X Baneshan			
	d. Neelum X Alphanso			
1.8	Most of the <i>annonas</i> are traditionally propagated by...	1		2
	a. Seed			
	b. Air layering			
	c. Grafting			
	d. Budding			
1.9	Which fruit is popularly known as the poor man's food?	2		1
	a. Sapota			
	b. Apple			
	c. Jack fruit			
	d. Banana			
1.10	Among the below, which variety is not include in AAB genome group of Banana?	2		3

	a. Lal Velchi	c. Monthan		
	b. Malbhog	d. Nendran	2	1
1.11	Shveta is the variety of...			
	a. Pomegranate	c. Apple		
	b. Coffee	d. Areca Nut	2	1
1.12	Pollination nature of Arecanut (Supari) is...			
	a. Self	c. Both a and b		
	b. Cross	d. None of the above	2	1
1.13	In Banana, which sucker produces healthy clumps?			
	a. Water Sucker	c. Both A and B		
	b. Sword Sucker	d. None of the above	2	1
1.14	Which rootstock is use in the Sapota for grafting purpose?			
	a. Rayan	c. M 10	2	2
	b. M 9	d. Walnut		
1.15	How many old year plant needs for the preparation of chali supari?		3	3
	a. 6 month	c. 10 month		
	b. 12 month	d. 9 month		
Q.2	Define/ Explain (Attempt any six- 01 marks each)		(06)	
2.1	Non-Climacteric Fruit		1	1
2.2	Monoecious		1	1
2.3	Plantation Crop		1	1
2.4	Biennial Bearing		2	1
2.5	Fruit		1	1
2.6	Tropical Zone		1	1
Q.3	True/False (1 mark each)		(05)	
3.1	Sapota is an example of non climacteric fruit.		F	2 2
3.2	Banana is known as the "Kalpataru".		T	2 2
3.3	Citrus are third in importance next to mango and banana.		T	2 2
3.4	Air layering is mostly used propagation method in Mango.		F	1 2
3.5	Tall variety of coconut is cross pollinated (Allogamous).		T	1 2
Q.4	Short notes (Attempt any six- 02 marks each)		(12)	
4.1	Differeciate between air layering and grafting in Sapota.		2	4
4.2	Why mango is known as the "Bathroom Fruit"?		2	3

4.3	List out the essential operations in banana.	2	1
4.4	Requirements of a crop to be categorized under plantation crop.	1	1
4.5	Enlist the processing products of the Arecanut.	2	1
4.6	Explain the difference between tall and dwarf varieties of coconut	3	4
4.7	Give the types of bahar in guava with flowering and fruiting time.	2	1
4.8	What is the requirement of fertilizers and manures in citrus?	2	1

Q.5 Answer the following questions in detail (Attempt any three- 04 marks each) (12)

5.1	Give the package of practices in Banana.	2	2
5.2	High Density Planting.	1	1
5.3	Difference between Climacteric and Non climacteric fruit.	1	4
5.4	Describe the varieties and physiological disorder of the Mango.	4	1
5.5	Detail about the papain extraction in papaya.	2	1

CO : Course Outcome Number

BTL : Blooms Taxonomy Level

Level of Bloom's Revised Taxonomy in Assessment

1: Remember	2: Understand	3: Apply
4: Analyze	5: Evaluate	6: Create
