PARUL UNIVERSITY COLLEGE OF AGRICULTURE B.Sc.(Hons.) Agriculture Winter 2018 - 19 Examination

Semester: 4 Subject Code: 20106251 Subject Name: Protected Cultivation and Post Harvest	Technology	Date:21-12-2018 Time: 02:00pm TO 4:30pm Total Marks: 60	
Instructions1. All questions are compulsory.2. Figures to the right indicate full marks.3. Make suitable assumptions wherever necessary.4. Start new question on new page.			
 Q.1 Do as Directed. A. Fill in the blanks. (Each of 1.00 marks) Full form of FPO is	depress temperature be	low that of the refrigerator	(10)
 4. The unit for measuring radiation dose is 5. It is technique where the comm for few days. 6. The capacity of the castor sheller cum winno 7. In chemical storage principal, 	nodity is left in the field wer is kg / and	l itself in a heap under shade h chemicals used	
 during storage 8. In sun drying method, a minimum temperature is best for sun drying 9. The light intensity is measured by the interna 10. Vapour heat treatment was developed to the 	re of °F and hur tional unit known as e control infections of _	midity below percent	
storage. B. Multiple choice type questions. (Each of 1.00)	mark)		(10)
1. Traditional storage structures include	inar K)		(10)
a) Barn	c) Shelf		
b) Pit	d) All of above		
2 Nipro fruit wax for apple	.,		
a) Mango	c) Apple		
b) Grape	d) Banana		
3 Life span of covering material of high grade r	igid is vears.		
a) 05	c) 10		
b) 15	d) 20		
4 Which is/are methods of threshing	- / -		
a) Rubbing	c) Impact		
b) Stripping	d) All of above		
5 Air temperatures above are general	ally not suited for crops	in greenhouse.	
a) 30	c) 35	in greennouse.	
b) 40	d) 45		
6 Which type of designs are used for construction	on of glass greenhouse		
a) Lean to type	c) Ridge and furroy	W	
h) even span	d) All of above		
7 Medium scale storage can accommodate un to	b a tons of st	ored products	
a) 100	c) 200		
b) 500	d) 1000		
8 In greenhouse for plant propagation works re	lative humidity up to	% is desirable	
a) 80	c) 90		
h) 85	d) 95		
9 If the greenhouse span is greater than or equal	to m truce from	nes are used	
a) 15	c) 20		

	b) 25	d) 30	
	10 The capacity of the maize sheller is	kg of cob/h, if operated by one hp motor.	
	a) 200	c) 350	
	b) 250	d) 500	
Q.2	Do as Directed.		
A.	Define the following. (Any five)		(05)
	1.Greenhouse		
	2. Combine harvester		
	3. Fertigation		
	4. Girder		
	5. Bracings		
	6. Sorting		
B.	Answer the following. (Any Five)		(05)
	1. Enlist classification of greenhouse based on s	shape	
	2. Explain curing		
	3. Write the properties of covering materials.		
	4. Advantages of greenhouse.		
	5. Differentiate: Even and Uneven span type gr	eenhouse	
	6. Write constrains in greenhouse.		
	7. Explain Tefzel T ₂ film		
Q.3	Write short notes. (Any five)		(15)
	1. Pasteurization in greenhouse.		
	2. Classification of storage type.		
	3. Cold storage		
	4. Explain chemical treatment before storage o	f fruits and vegetables.	
	5. Groundnut decorticator		
	6. Waxing		
Q.4	Attempt any Three/Long Questions/Example		(15)
	1. What is storage? Write advantages and expla	in types of storage structure.	
	2. What is greenhouse effect? Explain the facto	rs of plant response to greenhouse environment	
	3. What is threshing? Write methods of it and e	explain components of thresher with figure.	

4. What is drying? Write advantages and explain methods of drying.