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NATIONAL OPEN UNIVERSITY OF NIGERIA FACULTY OF AGRICULTURAL SCIENCES DEPARTMENT OF CROP AND SOIL SCIENCES

EXAMINATION: FIRST SEMESTER POP EXAMINATION APRIL 2019_1 COURSE TITLE: HARVESTING, PROCESSING AND STORAGE OF CROPS COURSE CODE: CRP310 TOTAL SCORE: 70 MARKS TIME ALLOWED: 3 hours INSTRUCTION: Answer compulsory question 1 (30marks) and any four questions (10 marks each)

Q1

x -	a.		(8marks)
	b. c.	State the maturity standards of the followings; tomato, okra, cabbage, watermelon,	
	d.	 Give two examples of each of the followings: i. Chemicals that delays ripening ii. Chemicals that hasten ripening iii. Climacteric fruits 	(7marks) (8marks)
Q2			()
	a.	Differentiate between physiological maturity from harvest maturity	(5marks)
	b.	List the three stages of maturity in the life span of a plant.	(5marks)
Q3			
	a. b.		(5marks) (5marks)
Q4			
		6	(5marks) (5marks)
Q5			
	a. b. c.	Highlight the two factors that determine the choice for the best storage of crops	(3marks) (3marks) (4marks)
Q6			
		0 1	(6marks) (4marks)
Q7			
	a. b.	Enumerate three advantages of blanching. Outline the four principles of combined preservation procedures.	(6marks) (4marks)