Total No. of Printed Pages: 2

SUBJECT CODE NO:- B-2064 FACULTY OF SCIENCE & TECHNOLOGY

B.Sc. S.Y. (Sem-IV)

Examination November/December- 2022 Botany Paper- XII Plant Physiology

	Plant Physiology	
[Tim	ne: 1:30 Hours] [Ma	x. Marks:50]
	Please check whether you have got the right question paper.	
N.B	i) Attempt all questions.ii) Illustrate your answer with suitable labeled diagram.	550
Q.1	What is ascent of sap? Describe transpiration pull theory.	20
	OR LET LET	
	What are auxins? Describe its practical application.	20
		A CO
Q.2	Define photophosphorylation and describe cyclic photophosphorylation.	20
	OR AS OR	
	Write short notes (any four)	20
	1) Active water absorption	
	2) Protoplasmic streaming theory	
	3) Apoenzyme	
(E)	4) Gibberellin	
	5) CAM	
	6) Alcoholic fermentation	
Q.3	Multiple choice questions.	10
	1. Plasmolysis occur due to	
	a) Absorption c) Endosmosis	
	b) Osmosis d) Exosmosis	
	2. Hydroponics is	
	a) Growing of aquatic plants c) Soil-less cultivation of plants	
	b) Growing of xerophytic plants d) All of the above	

			B-2064
3.	Wł	nich of the following	g is macronutrient?
			c) Zn
	b)	Mn	d) Cu
4.	Mo	ost common role of c	cytokinin in plants is
		Cell elongation	c) Elongation of internode
	b)	Cell division	d) Apical dominance
5.			ponsible for ripening of fruits.
			c) Ethylene
	b)	Cytokinin	d) Gibberellin
	** 71	A Paragraphy of the Control of the C	
6.			
			c) Malic acid
	D)	Pyruvic acid	d) Glucose
7	En	zumas ara nalumars	
/.			c) Fatty acids
			d) Inorganic phosphate
A)	0)	Animo dela	a) morganic phosphate
8.	Lie	the reaction occurs in	
0.			c) Thylakoid
	0		d) Mitochondria
	,		
9.	Cu	rrency of a cell is	
	a)	Mitochondria	c) Grana
	b)	ATP	d) Fat
SE S			Contraction of the contraction o
10			
			c) C ₄ plants
	b)	C ₃ plants	d) None of these
			Carlos Charles
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	4. 5. 6.	a) b) 4. Mo a) b) 5. Wh a) b) 6. Wh a) b) 7. En a) b) 8. Lig a) b) 9. Cu a) b) 10. Kra a)	 b) Cell division 5. Which hormone is respanal Auxin b) Cytokinin 6. What is end product of any Lactic acid b) Pyruvic acid 7. Enzymes are polymers any Hexose sugar b) Amino-acid 8. Light reaction occurs in any Grana b) Struma 9. Currency of a cell is