			*		.,			- 1
(i) Pri	nted]	Pages: 3)	Roll No				
(ii) Qu	estion	ıs :9	Sub	. Code :	0	5	5	0
		• .		. Code:		0	0	6
		B.A./B.Sc.	(General)	6th Semest	er			
2 1 x j.e		4.	(2053)	7.				
	4.,		BOTANY	7				
		Paper-A	: Plant Ph	ysiology-I	[
Time A	llowe	d: Three	Hours]	[Maxim	um	Mar	ks :	36
Note :-	N	ttempt five o. 1 which i ach Unit. Dr	is compulso	ory. Select o	ne q	uesti		
1. Mu	ltiple	choice quest	ions (MCQ)):			1	
(a)	Who	o noted the e	ffect of limi	ting factor fi	irst?		. ,	,
	(i)	Kreb		(ii)	Calv	in	7 2	. 6
7	(iii)	Ruben		(iv)	Blac	kmar	ı i	
(b)	(b) Oxidative Phosphorylation occurs at/in:							
	(i)	Thylakoid		· .				
G II	(ii)	Fifth comp	lex of electro	on transport		. 7		
	(iii)	Photo Syst	em					

(iv) Outer mitochondrial chamber

(c)	Phototropism is a type of:									
	(i) Physical movement									
* -:	(ii) Movement of Locomotion									
	(iii) Autonomic movement of curvature									
	(iv) Paratonic movement of curvature									
(d)	Haploid plants are formed by:									
	(i) Anther Culture (ii) Root tip									
	(iii) Shoot tip (iv) Embryo Culture $4 \times 1 = 4$									
Fill	in the blanks:									
(e)	 e) Light dependent intake of O₂ and release of CO₂ in chloroplast is called 									
(f)	In which cycle, enzyme Aldolase is present									
(g)	Formation of seedless fruits without fertilization is									
(h)	Thigmotropism is tropic movement due to stimulus of $\frac{1}{4 \times 1 = 4}$.									
	UNIT—I									
(a)	What are Photosystems? Describe their types and functions.									
(b)	Write the correct/rectified equation of Photosynthesis. 5+2									
Writ	ite notes on:									
(a)	Photolysis of water									
(b)	Krantz Anatomy.									
(c)	Any three significance of Photosynthesis. 2+2+3									
	(d) Fill (e) (f) (g) (h) Writ (a) (b)									

UNIT—II

4.	Describe the process of Terminal oxidation and its significant	nce.
5.	Write short notes on:	10 E
	(a) ATP	-
	(b) RQ and its values	
,	(c) Anaerobic respiration. 2+	3+2
	UNIT—III	
6.	(a) What is Photoperiodism? Describe various types of pl on Photo periodic Response.	ants 5
	(b) Write a note on Florigen.	2
7.	Write briefly:	
*	(a) Apical Dominance	
	(b) Bolting	•
	(c) Measurement of Growth. 2+2	+3
	UNIT—IV	
8.	What is Tissue Culture? Describe its various aspects l requirements and process.	ike 7
9.	Write notes on:	
	(a) Applications of Tissue Culture	
	(b) Applications of Bio-Technology. 4	+3