	Enrollm	ent No:				
		C.U.SHA	AH UNIVERSITY			
		Summe	r Examination-2018			
	Subject Name: Plant Physiology					
	Subject	Code: 4SC02PPH1	Branch: B.Sc. (Microbiology)			
	Semeste: Instruction		Time: 10:30 To 01:30 Marks: 70			
	(2) 1 (3) 1	Instructions written on main a	tor & any other electronic instrument is prohibited. answer book are strictly to be obeyed. res (if necessary) at right places. ed.			
Q-1		Attempt the following que		(1x14=14		
	a)	In plants water evaporates t	•			
	b)		(cytoplasm/mitochondris/GC)			
	c)	Define: Transpiration.				
	d)	Write full form of NADPH.				
	e)		oss ofin plants. (water/ carbon/nitrogen)			
	f)	True/False	ay is a metabolic pathway parallel to glycolysis.			
	g)	What are micronutrients?				
	h)	Write full form of ATP.				
	i)	Guttation is the process of s vascular plants. True/False	ecreting water droplets from the pores of some			
	j)	Thylakoids are present in				
	k)	What is the sight of electron to	ransport chain?			
	l) .	Write full form RQ				
	m)	What is the function of phlo				
Atte	n) mpt any i	Bundle sheath cells contain four questions from Q-2 to	<u> •</u>			
Q-2		Attempt all questions	20 24 20 11 1	=		
	a	What Plasmolysis? Explain	it with suitable examples.	7		
	b	What is anaerobic respiration	on? Explain it with suitable example.	7		
Q-3		Write short notes on-				
	a.	Photosynthetic pigments		7		



Fermentation

b.

7

Q-4		Attempt all questions			
	a.	What is respiration? Explain difference between aerobic and anaerobic respiration.	7		
	b.	What is absorption of water? Explain it with suitable example.			
Q-5		Attempt all questions What are Hydathodes? Explain their structure and functions.			
	a.	What are Hydathodes? Explain their structure and functions.			
	b.	Explain the ultrastructure of chloroplast with suitable diagram.	7		
Q-6		Write short notes on-			
	a.	Krebs cycle	7		
	b.	Stomata	7		
Q-7		Attempt all questions			
	a.	What is photosynthesis? Explain the calvin cycle.	7		
	b.	Explain the structure of mitochondria with suitable diagram.	7		
Q-8		What is Transpiration? Explain various factors affecting it in plants.	(4+10)		

