	Enrollm	ent No:		Exam Seat No:			
				H UNIVERSIT		<del></del>	
				Examination-2018	-		
	Willet L'Aaiiillauvil-2010						
	Subject	Name: P	Plant Physiology				
	Subject	Code: 4	SC02PPH1	Branch: B.Sc. (Microbio	logy)		
	Semeste Instruction		Date: 31/10/2018	Time: 02:30 To 05:30	Marks: 70		
			rogrammable calculator	& any other electronic instrumen	nt is prohibited.		
				wer book are strictly to be obeyed	d.		
	. ,		at diagrams and figures suitable data if needed.	(if necessary) at right places.			
	(4)	rissume	suitable data ii ficeded.				
Q-1		Attem	ot the following questi	ons:		(1x14=14	
	a)	-		is done through phloem. True/Fal	se		
	<b>b</b> )	Define	Glycolysis				
	<b>c</b> )		Transpiration.				
	d)	Write fu	ıll form of NADPH.				
	e)	PPP is a	an alternative pathway. To	rue/False			
	f)	•	s boron is a micronutrie				
	g)		known as energy currence				
	h)		_	some vascular plants. (Guttation/	transportation)		
	i)			n pull theory in plants. True/False			
	<b>j</b> )	_	cles are present in (golgi	_			
	k)		the sight of electron trans	sport chain?			
	l) m)		plant wilting? ts food is translocated b	ov (vylem/phloem)			
	n)			occurs in chloroplasts. True/Fals	e		
Atte	,	_	estions from Q-2 to Q-	*			
Q-2			pt all questions	with witchle arrangles		7	
	a	wnate	ndosmosis? Explain it	with suitable examples.		7	
	b	What is	s anaerobic respiration?	Explain it with suitable example		7	
Q-3		Write	short notes on-				
<b>∀</b> -2	a.		iration pull theory			7	
		-	-				
	<b>b.</b>	Guttatio	on			7	
Q-4		Attem	ot all questions				
	a.	What is	s Transpiration? Explain	n role of stomata in transpiration.		7	



	b.	What is fermentation? Explain it with suitable example.	7
Q-5	a.	Attempt all questions Explain the structure and functions of endoplasmic reticulum.	7
	b.	Explain the ultrastructure of chloroplast with suitable diagram.	7
Q-6		Write short notes on-	
	a.	Stomata	7
	b.	Glycolysis	7
Q-7		Attempt all questions	
	a.	What is photosynthesis? Explain the calvin cycle.	7
	b.	Explain the structure of gogli complex with suitable diagram.	7
Q-8		What is respiration in plants? Explain differences between aerobic and anaerobic respiration.	(4+10)

