	Enrollmo	ent No: Exam Seat No:	
		C.U.SHAH UNIVERSITY	
		Summer Examination-2017	
	Subject 1	Name: Plant Physiology	
	Subject	Code: 4LS02BOT1/4LS02BOT2/4SC02PPH1 Branch: B.Sc.(Microbiolo	ogy)
	Semester Instruction		
	(2) I (3) I	Use of Programmable calculator & any other electronic instrument is prohibited. Instructions written on main answer book are strictly to be obeyed. Draw neat diagrams and figures (if necessary) at right places. Assume suitable data if needed.	
Q-1		Attempt the following questions: Write full form of RuBP.	1x14=14)
	a) b)	What are C-3 plants?	
	c)	Write full form of NADPH.	
	d)	Write full form of ATP.	
	e)	What is RQ?	
	f)	Write full form of PPP.	
	g)	What are Micronutrients?	
	h)	What is water potential?	
	i)	What is Imbibition?	
	$\mathbf{j})$	F1 particles are present in	
	k)	What is the sight of electron transport chain?	
	1)	What is the function of stomata?	
	,	What is the function of phloem?	
.	n)		
Atte	mpt any 1	four questions from Q-2 to Q-8.	
Q-2		Write short notes on-	
	a	Plasmolysis	7
	b	Water holding capacity of soil	7
Q-3		Attempt all questions	
	a.	What is Anaerobic respiration? Explain it with suitable example.	7
	b.	What are photosynthetic pigments? Explain it with suitable examples.	7



What is respiration? Explain steps of Kreb's cycle with suitable diagram.

Q-4

(4+10)

Q-5		Attempt all questions	
	a.	What is absorption of water? Explain various factors affecting absorption of water in plants.	7
	b.	What is Transpiration? Explain transpiration pull theory in plants.	7
Q-6		Attempt all questions	
	a.	What is photosynthesis? Explain the light reaction of photosynthesis.	7
	b.	Explain the active process of mineral uptake in plants.	7
Q-7		Write short notes on-	
	a.	Structure and function of stomata	7
	b.	Guttation	7
Q-8		Write short notes on-	
	a.	Ascent of sap	7
	b.	Macro nutrients	7

