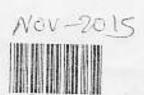
Seat Number



कर्ता - 024

BOTANY PAPER- II: BOT-232

Plant Physiology									
P. Pa	iges :	2	(;	23146)					
Time	: Two	Hours				Max. Marks :			
1		tions to Car				Marine Walker and the State			
	۷.	used for wr	iagram shoul iting paper o	d be dra r black i	on paper except Sea wn with the black in HB pencil.	nk pen being			
	5.	All question Figures to t	nould note, n ns are compu the right indic	o supple Isory. cate full	ement will be provid marks	ed,			
	6.	Draw neat I	abelled diag	rams wh	erever necessary.				
1.	Att	empt any ei	ght of the fol	lowing.					
	i)	Transpiration	on occurs thr	ough					
		a) Stem		1000	Roots				
		c) Leaves		d)	All aerial parts of	plants			
	ii)	and the state of t							
		unute soluti	ions to conce	intrated	solution is				
		a) Imbibitionc) Plasmoi		p)	Osmosis				
	444		·*************************************	d)	Necrosis				
	III)	In plants wa	ater rises upv		ough				
		a) Phloem			Xylem				
		c) Cambiu	m	d)	Stomata				
	iv)	iv) Photophosphorylation is the mechanism in							
		a) Kespira	tion	b)	Photosynthesis				
		c) Transpir	ration	d)		**			
	v)	phototropic movement.							
		a) Soil		b)	Water				
		c) Light		d)	Temperature				
	vi)	Define plasr	molysis						
	vii)	What is Ture	gor pressure	(TP)2					
	35.		, p. 000 a 10	10070					

		Viii) What is nastic movement?			
		ix)	Define aerobic respiration.			
		x)	Define Ascent of Sap.			
2.		Attempt any four. a) Define phenomenon of diffusion.				
		b)	Explain lenticular transpiration.			
		c)	What are the end products of light reaction?			
		d)	Name pre-requisites of Osmosis.			
		e)	Give importance of plant physiology.			
		f)	What is chemotactic movement?			
3.		Answer any two.				
		a)	Describe non-osmotic theory of water absorption.			
		b)	Write a note on carbonic acid exchange theory.			
		c)	Describe different types of solutions in relation to cell sap.			
4.	a)) Write any two.				
		i)	Explain in brief steward's theory of transpiration.			
		ii)	Explain role of cohesive & adhesive forces in Ascent of sap.	2		
		iii)	Give difference between active and passive absorption of water.			
	b)	Sketch & label structure of stomata.				
5.		Describe Glycolysis.				
			OR			
		Des	scribe types of photosynthetic pigments and their roles.			

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