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P.T.O.

(vi) Avena coleoptile test was conducted by		3.	Giv	e detail account of Calvin cycle.	12	
(a) Darwin (b)	N. Smit			OR		
(c) Paal (d)	F.W. Went $\frac{1}{2}$		Ex	plain :		
			(i)	Respiratory quotient.	(
(c) Cyt.b (d)	Quinone $\frac{1}{2}$		(j)	Electron transport chain in aerobic respir	ration	
	lation through					
	Transpiration	4.	Exp	lain the following:—		
(c) Excretion (d)	Hydrolysis $\frac{1}{2}$		(k)	Physiological role of Gibberellins.	4	
Answer in one sentence.	-		(I)	Sources of Nitrogen to plants.	4	
			(m)	Physiology of abscission.	4	
	! 1			OR		
1	1					
(xii) Derine photoperiodisiii.	1		(n)	Role of ethylene.	4	
in the following :			(o)	Phases of growth.	4	
Active absorption of water.	4		(p)	Senescence.	4	
Diffusion.	4	_				
Ion exchange theory.	4	5.	Exp	plain the following:—		
OR			(q)	Seismonastic movements.	4	
Stomatal movements.	4		(r)	Short day plants.	4	
Plasmolysis.	4		(s)	Significance of vernalization	1	
Transpiration pull theory.	4		(5)	5.5	7	
	(a) Darwin (b) (c) Paal (d) (viii) Photolysis of water is (a) PS I (b) (c) Cyt.b (d) (viii) Process of water exuchydathodes is called (a) Guttation (b) (c) Excretion (d) Answer in one sentence. (ix) What is kranz anatomy (x) Define anti transpirants (xi) What is pedogenesis? (xii) Define photoperiodism. In the following:— Active absorption of water. Diffusion. Ion exchange theory. OR Stomatal movements. Plasmolysis.	(a) Darwin (b) N. Smit (c) Paal (d) F.W. Went $\frac{1}{2}$ (viii) Photolysis of water is associated with (a) PS I (b) PS II (c) Cyt.b (d) Quinone $\frac{1}{2}$ (viii) Process of water exudation through hydathodes is called (a) Guttation (b) Transpiration (c) Excretion (d) Hydrolysis $\frac{1}{2}$ Answer in one sentence. (ix) What is kranz anatomy? 1 (x) Define anti transpirants? 1 (xi) What is pedogenesis? 1 (xii) Define photoperiodism. 1 in the following:— Active absorption of water. 4 Diffusion. 4 Diffusion. 4 Ion exchange theory. 4 OR Stomatal movements. 4 Plasmolysis. 4	(a) Darwin (b) N. Smit (c) Paal (d) F.W. Went $\frac{1}{2}$ (viii) Photolysis of water is associated with (a) PS I (b) PS II (c) Cyt.b (d) Quinone $\frac{1}{2}$ (viii) Process of water exudation through hydathodes is called (a) Guttation (b) Transpiration (c) Excretion (d) Hydrolysis $\frac{1}{2}$ Answer in one sentence. (ix) What is kranz anatomy? 1 (x) Define anti transpirants? 1 (xi) What is pedogenesis? 1 (xii) Define photoperiodism. 1 in the following:— Active absorption of water. 4 Diffusion. 4 Diffusion. 4 Diffusion. 4 Stomatal movements. 4 Plasmolysis. 4	(a) Darwin (b) N. Smit (c) Paal (d) F.W. Went $\frac{1}{2}$ Ex (viii) Photolysis of water is associated with (a) PS I (b) PS II (c) Cyt.b (d) Quinone $\frac{1}{2}$ (j) (viii) Process of water exudation through hydathodes is called (a) Guttation (b) Transpiration (c) Excretion (d) Hydrolysis $\frac{1}{2}$ (k) Answer in one sentence. (ix) What is kranz anatomy? 1 (xi) Define anti transpirants? 1 (xii) What is pedogenesis? 1 (xiii) Define photoperiodism. 1 (n) in the following:— Active absorption of water. 4 Diffusion. 4 Diffusion. 4 Ion exchange theory. 4 Stomatal movements. 4 Plasmolysis. 4 (ix) What is pedogenesis ? ((a) Darwin (b) N. Smit (c) Paal (d) F.W. Went \(\frac{1}{2}\) Explain :— (viii) Photolysis of water is associated with (a) PS I (b) PS II (c) Cyt.b (d) Quinone \(\frac{1}{2}\) Electron transport chain in aerobic respit (viii) Process of water exudation through hydathodes is called (a) Guttation (b) Transpiration (c) Excretion (d) Hydrolysis \(\frac{1}{2}\) Answer in one sentence. (ix) What is kranz anatomy? 1 (x) Define anti transpirants? 1 (xi) What is pedogenesis? 1 (xii) Define photoperiodism. 1 (n) Role of ethylene. (ix) What is pedogenesis? 1 (n) Role of ethylene. (b) Phases of growth. (c) Paal (d) F.W. Went \(\frac{1}{2}\) Explain :— (d) Physiological role of Gibberellins. (m) Physiology of abscission. (m) Physiology of abscission. (n) Role of ethylene. (o) Phases of growth. (o) Senescence. Stomatal movements. 4 (p) Seismonastic movements. (r) Short day plants.	

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