		(c) (d)	, , , , , , , , , , , , , , , , , , , ,		 Describe the effects of different environmental factor plant growth with an example. 			ctors on	
	(ii)	Ovary culture is used for production of			OR				
	(iii)	(a)	Protoplast culture Haploids			Exp	Explain in details different methods of measuring growth		
		(b)				in plants.		12	
		(c)			3.	Exp	Explain in brief:		
		(d)				(a)	Physiological effects of Auxin.	4	
		is also known as shooting harmone.			(b)	Hormone concept.	4		
		(a)) Auxin			(c)	Physiological effects of gibberellins.	4	
		(b)	Cytokinin				OR	•	
		(c)	(d) Ethylene			(d)	Use of growth hormone in horticulture.	4	
		(d)				(e)	Physiological effects of cytokinin.	4	
		is the soil bacterium used of genetic transformation of plants.		sed of genetic		(f)	Mechanism of action of growth substance.	4	
		(a)			4.	Des	Describe in detail design and management of typical tissue		
(c)		(b)	Agrobacterium		Jan Maria	⊭cult	ture laboratory.	12	
		(c)	Azotobacter			OR			
		(d)	Rhizobium	(½×4)=2		Exp	plain in detail the preparation of MS medium	and its	
	Ans	wer in one sentence :		(/2 // 2		com	aposition. Add a note on precaution.	12	
	(i)	Defi	ne transformation.		5.	Des	scribe :		
	(ii) (iii)	Embryo rescue.				(a)	Micropropagation.	4	
		Role of auxins in plant growth.				(b)	Induction of callus.	4	
	(iv)	Defin	ne osmosis.	1×4=4		(c)	Ovule culture.	4	
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				(Contd.)	UW	0-424	456 3 (6	Contd.)	