).	Atte	mpt the following:			
	(m)	Describe the objectives of Bee pollination.	4		
	(n)	Describe the method of self pollination in bee pla	nts.		
			4		
	(o)	Describe the role of pollinating agents.	4		
		OR			
	(p)	Describe the method of cross pollination in bee pla	ints.		
			4		
	(q)	Describe the disadvantages of self pollination.	4		
	(r)	Describe the effect of topographical factors on c	ross		
		pollination.	4		
7.	Exp	lain in brief :			
	(s)	Chemical composition of Honey.	4		
	(t)	Effects of insecticide on honey bee.	4		
	(u)	Methods of honey bees placement in farms orchards.	and 4		
		OR			
	(v)	Preventive measures for the insecticides effect	s on		
		honey bees.	4		
	(w)	Advantages of honey bee colony migration.	4		
	(x)	Management practices for honey bee colonies during			
		pollination.	4		

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(Bee	Botany, Po	llination & Mellitto Palynolog	gy)
Time—T	hree Hours]	[Maximum Mar	ks—80
N.	B. :— (1)	All questions carry equal mark	s.
	(2)	Question 2-7 carry equal mark	s.
1. (A)	Fill in the l	olanks :	
	7.5	lant kingdom is divided into two	o parts
		_ is an ornamental bee plants.	1/2
	(iii) Pollin	ation by is known as anemo	philous ½
	(iv) The p	lant shows self pollination	n. ½
(B)	Rewrite the	ing the	
	(a) The t	ransfer of pollengrain is known	as
	(i) 1	Embryogenesis	
	(ii) 1	Phenology	
	(iii) l	Pollination.	1/2
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	(b) is one of the most important and fundamental branch of Palynology:			3.		cribe the roadside bee plants with reference Flora.	e to the	
		(i) Pollen Morphology			tree	OR	12	
		(ii) Embryology			Dec	cribe the agricultural bee Flora of the local	orea	
		(iii) Taxonomy.	1/2		Desc	cribe the agricultural bee Flora of the local	12	
	(c)	Palynology:	i branch of	4.	Expl	lain in brief:		
		(i) Melittopalynology			(a)	Preparation of local floral calender.	4	
		(ii) Histology			(b)	Floral gaps and its disadvantages.	4	
		(iii) Morphology.	1/2		(c)	Any four bee plants of local area.	4	
	(d)	plays an important rol				OR		
	(4)	the Floral calender of Bee Flora	* *		(d)	Advantages of floral calender.	4	
		(i) Phenology			(e)	Toxic of bee plants.	4	
		(ii) Morphology			(f)	Flowering sequence of bee plants.	4	
		(iii) Anatomy.	1/2	5.	Des	cribe in brief:		
	(C) Answer the following quest	swer the following questions in on	ons in one sentence :		(g) Methods for preparation of pollen slide. 4			
	(i)	Define Fertilization.	1		(h)	Advantages of cross pollination.	4	
	(ii)	What are bee plants?	1			Any two types of pollination.	4	
	(iii)	What are pollinating agents?	, 1		(i)		7	
	(iv)	Define self pollination.	1		75	OR	all-	
2.		e the development of embryo in dic			(j)	Types of Pollen	4	
	bee plan		12		(k)	Advantages of self pollination.	4	
		OR			(1)	Shapes of pollengrains.	4	
	Describ	e the floral structure with neat label	lled diagram.					
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