	(p) Phylloclade	4					
	(q) Unipinnate compound leaf	4	and the state of t				
	(r) Napiform root.	4	B.Sc. (Part-I) Semester-II Examination				
5.	Explain:		BOTANY				
	(a) Capitulum and Cyathium inflorescence	6	(Gymnosperms, Morphology of Angiosperms and				
	(b) Cross pollination.	6	Utilization of Plants)				
	OR						
	What is placentation? Explain different types of pl	lacentation	Time: Three Hours] [Maximum Marks: 80				
	with suitable examples.	12	Note: - (1) There are SEVEN questions in all.				
5.	Explain:						
	(a) Capsule	4	(2) Question No. 1 is compulsory and carried				
	(b) Varieties of potato	4	8 marks.				
	(c) Economic importance of cotton.	4	(3) Question Nos. 2-7 carry equal marks.				
	OR		(4) Draw neat and well labelled diagram				
	(p) Drupe	4	wherever necessary.				
	(q) Economic importance of wheat	4	1. (A) Fill in the blanks:				
	(r) Morphology of ground nut plant.	4					
7.	Comment on:	4	 The study which deals with plant fossils is known 				
	(a) Economic importance of Black pepper		as				
	(b) Sources of timber	4.	(ii) Naked seed bearing plants belongs to group				
	(c) Medicinal uses of Ocimum sanctum.	4	<u> </u>				
	OR	* -	(iii) The function of pneumatophore is				
	(p) Economic importance of Cardamom	4	<u> </u>				
	(q) Economic importance of Eucalyptus	4	(iv) The female reproductive whorl in flower is calle				
	(r) Medicinal uses of Aloe Vera.	4	as '/				
	The state of the s						
		,					
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(B) C	B) Choose the correct alternatives (MCQ):				(C)	Write answer in ONE sentence each:	
(v	The flowers bearing axis in inflorescence is known as:				,	(ix) What is Pollination?	1
,				,		(x) Define phyllotaxy.	1
*	(a)	Rachis		,		(xi) What is timber?	_ 1
,	(b)	Petiole				(xii) Define polypetalous corolla.	1
	(c)	Peduncle		2.	Con	mment on :	
,	(d)	Pedicel	1/2		(a)	Petrifaction	4
(v	, ,	plants which complete the		•	(b)	Anatomy of Lyginopteris oldhamia	4
(4	-	more than two years is:			(c)	Geological Time scale (only Table).	4
· · · · · · · · · · · · · · · · · · ·	(a)	Annual		•		OR	
	(b)	Perennials		*	(p)	Process of plant fossilization	4
	(c)	Biennials		*	(q)	Impression	4
	(d)	Seasonals	1/2		(r)	Ovuliferous receptacle in Bennettites.	4
	•) The pollen grains have wings in :		3.	(a)	Explain internal structure of Pinus needle.	6
(ν			.		(b)	Affinities of Gymnosperms with Angiosperms.	6
	(a)	Pinus	,			OR	
	(b)	Cotton			(p)	Explain structure of ovule in Gnetum.	6
	(c)	Gnetum			(q)	Describe economic importance of Gymnosper	ms.
	(d)	Wheat	1/2				6
(v	(viii) The Botanical name of neem is:			4.	Exp	olain :	
	(a)	Aloe Vera			(a)	Pneumatophores	4
	(b)	Ocimum sanctum			(b)	Rhizome	4
	(c)	Catharanthus roseus			(c)	Foliaceous type of stipules	4
	:		1/-			OR	
1. *	(d)	Azadirachta indica	1/2				
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