l'ime	e – 3 Hrs.	Warks -	- 100
	N.B.	 All questions are compulsory. Draw neat labelled diagrams wherever necessary. All questions carry equal marks. 	
Q.1	Attempt any two:		20
a.	Describe the anatomy of a typical Lepidodendron stem. Add a note on its systematic position		
b.	Describe the stem of Lyginopteris oldhamia & add a note on its systematic position.		NA E
c.	Give an account of <i>Pentoxylon</i> .		
d.	Birbal Sahni is the pioneer of Palaeobotany in India-Comment.		
Q.2	Attempt any two:		20
a.	Discuss Bentham & Hooker's system of classification.		7
b.	Give an account of insertion of floral whorls in flower.		
c.	Give the classification, distinguishing characters and floral formula of family Capparidaceae.		
d.	Give a detailed account of the plants of economic importance of Poaceae (Graminae). Add a		
	note on the type of its	s inflorescence.	
Q.3	3 Attempt any two:		20
a.	Explain any two types of root-stem transition studied by you.		
b.	What is anomalous secondary growth? Add a note on anomalous secondary growth in the roots of Beet.		
c.	Describe the anomalous secondary growth in the stem of Bignonia,		
d.	Enlist and explain various types of stomata studied by you.		
Q.4	Attempt any two:		20
a.	Give a brief account on Exine Stratification in angiospermic pollen.		
b.	Describe NPC system	n of classification for pollen grains.	
c.	Discuss in detail role	of Palynology in relation to honey industry.	
d.	Explain various tests	carried out to determine pollen viability.	
Q.5 a.	Attempt any four short notes: Lepidocarpon		20
b.	Papillionaceous corolla		
c.	Anomalous secondary growth in Stem of Aristolochia.		
d.	Adelphy		
e.	Calamostachys.		
f.	Methods of Short terr	m Pollen storage	
Z G		XXXX	
Y. A.		XXXX	

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