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)	Codo No + 04/104(A)
)	Code No.: 04/104(A)
3	Fourth Semester Examination, May-2018
	M.Sc. BOTANY
)	Paper - I
OPL	ANT REPRODUCTION AND UTILIZATION OF
)	RESOURCES
	: 3 Hrs. Max.Marks : 80
Note	:Section 'A' consists of 10 very short answer type questions, all of
,	which are compulsory and should be attempted first. Section 'B' consists of four short answer type questions with internal options.
)	Section 'C' consists of four long answer type questions with
)	internal choice.
)	Section - 'A'
)	Answer the following very short-answer-type questions in one
)	or two sentences : $(2 \times 10=20)$
Q.1	Write about endosperm.
Q.2	Describe pollination in Yucca.
Q.3	Name any two types of ovule found in Angiospermic plants.
Q.4	Write any two function of tapeturn.
Q.5	What is polyembryony?
Q.6	Write Botanical name and family of any two aeromatic plants.
Q.7	Write about any two types of tetrasporic embryo sac.
Q.8	What are ethnobotanical uses of plants?
JQ.9	Write botanical names of the following plants. i) Amla ii) Safed musli
)	i) Amla ii) Safed musli P.T.O.
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	iii) Haldi (Turmeric) iv) Castor	0	0	Section - 'C'		
Q.10	Define Polyspermy.	0	0	Answer the following long-answer-type questions with word		
	Section - 'B'		0	limit 400-450 : $(10\times4=40)$		
limit 200-250 :	(54.2)	o _b .	Q.1	Describe Pollen-Pistil interaction as		
			6	OR Write about agents of pollination, and growth and guidance of polleen tube. Describe structure of mature ovule and megasporangium.		
	What is layering? Describe the types of layering. OR	•	•			
	Describe double fertilization and triple fusion.	0	Q.2			
Q.2	Write a brief note on pollen-allergy.	0	OR			
	OR	0	0	Describe Structure of Anther and development of male		
	Describe megasporogenesis. Describe xenia, metaxenia and mosaic and ruminate endosperm OR	0	0	gematophyte.		
		rm.	Q.3	What is Apomixes? Explain types and	? Explain types and significance of apomixes.	
		0	C	OR		
	Explain fruit growth and fruit maturation. Discuss innovation for meeting world food demand.	•	•	Describe types of endosperm.		
		0	Q.4 Write	Write Botanical name and family of the following plants, mention its uses:		
	OR	0	0	(i) Tamarind (ii) Amaltash (iii) Gulmohor (iv) Pipal (v) Arjun		
ι	Write the Botanical name and family of the plants which are			OR		
	used to make <i>triphala churna-an</i> Aayurvedic medicine Mention their medicinal importance.	0	0	Give a companative account on the following plants of chhattisgarh.		
		0		(i) Tulsi (ii) Aloevera	(iii) Moringa	
		0		(iv) Lantans (v) Sarpgandha		
				x	P.T.O.	
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