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KERALA AGRICULTURAL UNIVERSITY B.Sc (Hons.) Forestry 2015 Admission IV Semester Final Examination-August-2017

Tree Seed Technology (2+1)

Marks: 50 Time: 2 hours

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	Fill up the Blanks	(10x1=10)
1	Each ovule is attached to the placenta by a distinct stalk known as	
2	I he pollen in gymnosperms is called	
. 3	a seed is	
4	In Calotropis the pollen grains of each po	llen sac are united together in to a mass
. •-	KIIUWII as	
5	Maintaining tissue or seed for the purpor	ose of long term storage at ultra low
	temperature typically between -190°c and -15	50°c is called
_	Match the following	
6	Carpel - N	licrosporophyll
7	Drupe - So	eed germination
8	Vermiculite - To	ectona grandis
9	Vermiwash - M	legasporophyll
10	C+a	/eedicide
		·
1	Write short notes on any FIVE	(5x2=10)
- 1	Seed certification	(-112 10)
2	Seed production area	
	Tetrazolium test.	,
4	Seed storage containers	
·5	Recalcitrant seeds	
6	PREVAC	
7	Germination energy and germination value	
V.		
_	Answer any FIVE	(5x4 = 20)
1. 2	Pollination and fertilization in gymnosperms.	
3	Treatments used to break exogenous dormancy.	
	Factors affecting seed storage.	
4 5	Merits and demerits of immature seed collection	
6	Materials and methods used for Seed pelleting.	
	Importance of moisture content during seed co	llection and storage.
7	Seed sampling	•
	Write occavion and ONE	
1	Write essay on any ONE Indirect tests of seed viability.	(1x10=10)
2	Seed handling during collection, processing and	
	narrating during correction, processing and	I Storage.
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