KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Forestry Degree Programme 2015 Admission IInd Semester Final Examination-August-2016

II nd Semester Final Examination-August-2016			
	No: Wosc. 1202 Mark	s: 50.00 e: 2 hours	
I	Answer all the questions (10 x	L =10)	
	. Gum canal occur in members of the family. a) Malvaceae b) Combretaceae c) Dipterocarpaceae d) Verbenacea	ıe	
. 3	 Over 90 per cent of the total volume of coniferous wood is constituted by a) Vessels b) Parenchyma c) Rays d) Tracheids ection passes through the trunk axis at a certain distance for a) Radial b) cross c) Tangential d) None of the above 	Ψ.	
Fill up the blanks.			
4	are called as soft tissues.		
	. The largest research wood collection in the world is housed at		
	Oxford University, UK b) FRI Dehra Dun c) Centre for Wood An Madison ,USA d) National Herbarium Nederland, The Netherlands.		
6	. An example of storied rays (ripple marks) in hardwood is		
	 a) Tectona grandis b)Pterocarpus marsupium c) Mangifera indica c crenulata 	l) Terminalia	
7	. Piceiod pitting is common in the conifer species of	-	
	a) Pine b) Cedrus sp c) Redwood d) Spruce		
8	. An example of long-fibred raw material for pulp and paper industry is	· · · · · · · · · · · · · · · · · · ·	
	a) Eucalyptus b) Bamboo c) Silver oak d) Acacia		
9	. In teak the vessel grouping is inpattern	·	
4	a) Radial multiples b) Solitary to 2-3 c) oblique d) None of the above	e.	
1	O. Sandal (Santalum album) is a ring —porous speciesa) True b)False		
		(T 0 40)	
	Write short notes on ANY FIVE	$(5 \times 2 = 10)$	
	. Differentiate between discontinuous ring and a false ring	1	
	Differentiate between apotracheal and paratracheal parenchyma. Give Exa		
	List the anatomical differences in the wood of softwoods and hardwoods.		
	Draw a cross-sectional view of an aspirated bordered pit pair. Clearly sho position of the border ,torus, margo, aperture	w and laber the	
_	. Characteristics of tension wood.		
6			
7.	. Ray features in dicot wood and its diagnostic significance.		
III F	Explain ANY FIVE of the following	(5 x 4 = 20)	
	. Pulp wood properties of plantation trees		
	. Cross field pitting in conifers How it aids in identification		
	. Anatomy of teak wood		
4			
5		•	
6	. Describe the anatomical features for the identification of Dalbergia latifol	ia wood	
7	. Vessels arrangements and groups in tropical hardwoods as seen in trans- purpose of wood identification.	verse view for the	
_ TX 7 T4	Write access on ANN ONE	(1 x 10=10)	
1 V. V	Vrite essay on ANY ONE . Formation of reaction wood in forest trees and its implications on wood q	•	
1	. I diminitude of reaction wood at rolost meso and no minitude on wood, q	J	

Narrate the important macroscopic features of wood