

# KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Forestry 2015 Admission  
III<sup>rd</sup> Semester Final Examination- March-2017

Cat. No: Wosc.2103.

Marks: 50.00

Title: Wood Science and Technology (1+1)

Time: 2 hours

## I Fill up the following

(10x1=10)

1. The most commonest defect in the wood is -----
2. ----- perform both the functions of conduction and mechanical support in coniferous stem.
3. Wood parenchyma when disassociated with vessels is referred to as -----
4. The major elemental composition of woods are -----, ----- and -----
5. Gum canal are distinctive characteristics of ----- wood.
6. Collapse is a ----- defect.
7. One in Nine methods is used for stacking -----
8. Grave yard test is to carried out to test the ----- of timbers.
9. ----- is a highly refractory wood.
10. Age determination of trees by counting the annual rings is known as -----

## II Write short notes on any FIVE

(5x2=10)

1. Hard wood and Soft wood
2. Knots in wood
3. Reaction wood
4. Stress vs strain in wood
5. EMC and FSP
6. Grain and Texture
7. Different types of air seasoning sheds.

## III Write short answers on any FIVE

(5x4=20)

1. Factors affecting strength of wood.
2. Classification of wood preservatives.
3. Necessity of stacking.
4. Formation of wood.
5. Structure and composition of wood cell wall.
6. Classification of timber based on natural durability and Treatability.
7. Thermal properties of wood.

## IV Write essay on any ONE

(1x10=10)

1. Defects in Timber and its remedial measures.
2. Special seasoning methods.

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