

B.Sc. 5th Semester (Honours) Examination- 2021
FORESTRY

Course ID:53503

Course Code: SH/FST/FP3104

Course Title: Wood Science and Technology

Time: 2 Hours

Full Marks: 50

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

- I. Write a definition or one sentence answer any 10 of the following 1x10=10
1. What is the major function of cellulose?
 2. Define gravitational water
 3. Two effect of wood decay
 4. Name two dye
 5. Uses of oleoresin
 6. Name two incrustation substance of the cell wall
 7. Short note on soft wood
 8. Name two organic solvent for wood preservation
 9. Mention major incrustation of casparian strip
 10. Uses of cashew nut oil
 11. What do you mean about solvent seasoning?
 12. Mention different types of rots in timber
 13. What the raw material of pulp?
 14. Mention two extraneous substances of wood
 15. Short note on mine timber
- II. Write short note/ define any 10 of the following 2x10 =20
1. Write a short on fire retardants composition
 2. What is bleaching process?
 3. Uses of cutch
 4. What is air seasoning?
 5. Write a short note bacterial rot disease
 6. Two identification characters of tectonagrandis
 7. Name two dye yielding plants
 8. What is electric moisture meters?
 9. Short note on early wood and late wood
 10. Define dendrocronology
 11. What is fiber saturation point?
 12. Two major effect of timber decay
 13. What is alternate pressure method?
 14. Define kiln seasoning
 15. Two uses hard resin

III. Write down in brief any four of the following

5x4=20

1. Write a brief note classification of kiln
2. Write a brief note on wood defect caused by pathogen
3. Describe the Identification characters of *Tectona grandis*
4. How to determine moisture content of wood
5. Write a brief note about non pressure methods of wood preservation
6. Classify the timber on the basis of wood seasoning