



KERALA AGRICULTURAL UNIVERSITY

B.Sc. (Hons.) Forestry 2016 Admission

V Semester Final Examination-January 2019

Fopu.3103

Wood Products and Utilization (2+1)

Marks: 50
Time: 2 hours

I Fill in the blanks:

(10x1=10)

- 1 Structurally wood fibers are _____
- 2 Paper making in India started in the year _____
- 3 Carbonized form of wood obtained through _____
- 4 Casein glue is a type of _____ adhesive.
- 5 Sizing of paper done with the help of _____

State True or False

- 6 Anti-shrinkage efficiency of PEG is 80-85%.
- 7 Untreated compressed wood is also called staypack.
- 8 Carbohydrates account about 70% of the most of the wood.
- 9 India ranks 20th in the paper industries.
- 10 Plywood making was invented by ancient Mesopotamians.

II Write Short notes on ANY FIVE of the following

(5x2=10)

- 1 Justify the term "wood is good".
- 2 Decorative uses of wood.
- 3 Utility of cane and bamboo for furniture making.
- 4 Method of veneering.
- 5 Different sources of natural adhesives.
- 6 Saccharification of wood.
- 7 Role of short rotation tree crop in forestry.

III Answer ANY FIVE of the following

(5x4=20)

- 1 Compressed wood and impregnated wood.
- 2 Fiber board and particle board.
- 3 Growth of wood based industry in India
- 4 Mechanical process of pulp making.
- 5 Importance of primary conversion in maximizing the utility of wood.
- 6 Role of Nano technology in wood modification and improvement.
- 7 Production of wood molasses, alcohol and yeast

IV Answer ANY ONE of the following

(1x10=10)

- 1 Role of wood based industries in Indian economy, employment generation and livelihood security.
- 2 Manufacturing process of paper and classify types of paper with their specification.
