

Master of Design (M.Des.) Examination, 2019

Semester - II

Specialization in Furniture and Interior

Paper – MFI-II/02

(Advance Materials & Manufacturing-II)

Time: Three Hours

Full Marks: 40

Questions are of value as indicated in the margin.

Part A

(Answer **any two** questions)

1. Answer the following: 5 × 2 = 10
 - a) What is true volume method?
 - b) Most expensive essential oil is.....
 - c) Holocellulose is made up of.....
 - d) What is freshwood?
 - e) How agar oil is obtained?
 - f) Tunnels are made up of (pin hole borer/ powder post borers)
 - g) Fast growing timbers are also known as (conventional/ plantation) timbers.
 - h) What is Hoppus volume?
 - i) What is Lignin?
 - j) When a timber gets attacked?
2.
 - a) Describe cell wall of a wood cell. 5
 - b) Mention some species from which commercial dyes are obtained. 5
3.
 - a) Name three categories of wood preservatives. 6
 - b) Who invented ASCU and what are its chemical name and what are its chemical constituents. 4

Part B

(Answer **any two** questions)

4. Write short notes on the following: 4 × 2.5 = 10
 - a) Double vulcanization,
 - b) Sealants for joints,
 - c) PVC pipes in buildings
 - d) Cork
 5. Briefly describe G.I sheet and asbestos cement sheet. 10
 6. Write some name and uses of heat insulating material; write density, thermal conductivity and thermal resistivity of this material. 10
 7. What is should absorbent material; write names, properties and uses of such material. 10
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