

M.Des. Examination, 2016
Specialization in Furniture & Interior
Semester - I
Paper: MFI-I/03
(Material & Process)

Time: Three Hours

Full Marks: 80

Questions are of value as indicated in the margin.

Attempt *any eight* questions

1. Write properties of good brick. State different types of brick and use of brick. 4+3+3=10
 2. Compare brickwork with stonework. Describe sizes of brick in civil engineering work with neat sketches. 10
 3. Write a short note on synthetic glues. Name all the four types of synthetic glues. Explain any one of them. 10
 4. What is fire hazard w.r.t. wood? Write a short note on fire retardant treatment. 3+7=10
 5. How the shrinking and swelling of wood can be materially reduced? Explain in brief the processes. 10
 6. Write a short history of veneer. Explain the three steps in veneer production namely face veneer, commercial veneer for use and packaging of veneer. 10
 7. Distinguish between (*any four*):- 2.5×4=10
 - (i) Sun dried brick and burnt brick
 - (ii) Clamp and kiln
 - (iii) ordinary brick and fire brick
 - (iv) Concrete block and fly ash brick
 - (v) Fine sand and coarse sand
 8. Distinguish between veneer slicing and veneer rotary peeling in brief. 10
 9. Write the function of sand in mortar. What kind of binding materials are used in mortar. Briefly describe. 4+6=10
-