

Master of Design (M.Des.) Examination, 2018
Semester - I
Specialization in Furniture & Interior
Paper – MFI-1/03
(Material & Process)

Time: Three Hours

Full Marks: 80

Questions are of value as indicated in the margin.
*Answer **any eight** questions.*

1. Answer the following questions: 5 x 2 = 10
 - a) Explain plastic as a material with two examples.
 - b) Explain Blow molding and injection molding with diagram.

 2. Answer the following questions: 5 x 2 = 10
 - a) Discuss diagnostic features of wood.
 - b) What is veneer and explain some process involved in veneer cutting.

 3. Answer the following questions:
 - a) Why wood finish is necessary? 3
 - b) Discuss the major types of wood finish. 7

 4. Explain in detail the basic pattern of design process for any production. 10

 5. Write notes on **any two** of the following: 5 x 2 = 10
 - a) Sketches
 - b) Working drawing
 - c) Mock ups
 - d) Prototypes
 - e) Finished Model

 6. Describe type, sizes and requirements of bricks as civil engineering materials. 10

 7. Write properties of good brick. 10

 8. Explain pre-cast concrete. Write advantages and disadvantages of pre-cast concrete. 10

 9. Write short notes on: 2.5 x 4 = 10
 - a) Function of sand in mortar
 - b) Tempering
 - c) Asphalt
 - d) Tempering and blending
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