

# Bachelor of Design (B.Des.) Examination, 2018

Semester - V

Specialization in Furniture & Interior

Paper – FI-V/03

( Materials & Processes – I )

Time: Three Hours

Full Marks: 40

Questions are of value as indicated in the margin.

Answer *any four* questions.

1. Answer the following questions related to plywood: 5x2=10
    - a) Write down the advantages of plywood over solid wood.
    - b) How centering is done in factory?
    - c) Name two types of clipping.
    - d) Draw a layout of veneer dryer and show different chambers with their Specifications
    - e) Distinguish core gap and core overlap.
  
  2. Answer the following questions related to particle board: 5 x 2 = 10
    - a) Classify particle board on the basis of their formation.
    - b) What is screening?
    - c) Name some raw materials used to make the board. Among them which one you consider most important and why?
    - d) Name two important resins used in manufacturing.
    - e) Write down the advantages of particle board.
  
  3. Answer the following questions related to block board:
    - a) What is block board? 2
    - b) What is flush door? Draw a schematic diagram for each type of door and explain. 8
  
  4. Give one line answer for the following: 10 x 1 = 10

a) Core stock	f) BWP plywood
b) Veneer	g) Glue laminated wood
c) MDF	h) Seasoning
d) Low density particle board	i) Grading
e) Indian Specification	j) Mechanical Strength
  
  5. Compare softwoods with hardwoods. What is meant by felling of trees? 10
  
  6. Write short notes on: 4 x 2.5 = 10

a) Rough Timber	c) Chamfering of Timber
b) Dressed Timber	d) Shrinkage of Timber
  
  7. Write short notes on: 4 x 2.5 = 10

a) Conversion of timber	c) Quarter sawing
b) Back sawing	d) Seasoning of timber
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