

B.Des. Examination, 2016
Specialization in Furniture & Interior
Semester - V
Paper: FI-V/04
(Material & Product Technology-I)

Time: Three Hours

Full Marks: 40

Questions are of equal value or as indicated in the margin.
Attempt *any five* questions.

1. a) Answer or fill in the blanks *any five* of the following: 5x1=5
 - i) Mortise gauge has ____ Scribing Pins.
 - ii) A smooth plane is generally ____ inch long.
 - iii) Some sandpapers have only ____ particles to a square inch.
 - iv) Panel gauge has ____ inch long.
 - v) Trammel points are used to scribe a ____ circle.
 - vi) Calipers are used in measuring the ____.
 - vii) The size of the Auger bit are indicate in ____ of an inch and are stamped on the tang.
 - viii) Mallet are made from ____.
 - b) Write down the processes of driving screw? 3
 2. How does the guild act in the middle age? In which processes a tradesman used to became a 'Master-Carpenter'? 6+2=8
 3. Explain the difference between:
 - a) Tongue and Socket chisel
 - b) Ball pin hammer and Claw hammer? 4+4=8
 4. Describe the manufacturing processes of 'Animal Glue' and 'Sand Paper'? 4+4=8
 5. Explain the Fore plane construction and describe any two parts of the Fore plane? How do you define rip saw and crosscut saw? 6+2=8
 6. Briefly discuss the band saw? 8
 7. How do you understand the word 'Pitman-Movement' – discuss briefly? How many operation done by the circular saw beside sawing – give example? 4+4=8
 8. Why the portable power operated handtools highly used in fast developing modern world? Write down the safety rules of machine tools? 4+4=8
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