

Bachelor in Design (B.Des) Examination, 2015

Specialization in Furniture & Interior Design

Semester - VI

Paper - FI-VI/04

(Materials & Product Technology - II)

Time : Three Hours

Full Marks : 40

Questions are of value as indicated in the margin.

Part-A

Attempt all questions.

1. Mention different adjustments of hinges for door against the cabinet. Make necessary diagrams. 5
2. What do you mean by "Door clearance", showing different overlay positions. 5
3. Please write the correct answer for each of the following: 2×1=2
 - (a) The projection of the door in front of the cabinet is known as -
 - (i) Cup distance (ii) Reveal (iii) Overlay
 - (b) When the door is positioned inside the cabinet is known as -
 - (i) Half overlay (ii) Inset overlay (iii) Full overlay
4. Fill in the blank for this line - 3×1=3
"For a _____ mm chip board panel of _____ mm width, minimum no of _____ hinges are required for 1600 mm door.

Part-B

Attempt all questions

5. Write down the basic joineries of steel furniture. 3
6. What is the technique of Aluminium panel making. 3
7. Write down the joineries & fittings of PVC door and window. 3
8. Write down the process of grill construction with necessary sketches. 3
9. What is the system of sliding aluminium channel and glass window panel with necessary sketches. 3

Part - C

Attempt all questions :

3×1=3

10. (a) Which of the following is an alloy
(i) glass (ii) acrylic (iii) Brass (iv) Enamel
(b) Sanding disc is associated with which machine :
(i) Angle grinder (ii) Circular Saw (iii) Drill (iv) Zig saw
(c) Washer is the component of :
(i) Bolted joint (ii) Welded joint (iii) Edge joint (iv) Lap joint
11. (a) Write down the safety instruction of any portable power tools. 2×2=4
(b) How many types of permanent joint are there for metal work?
12. Write short note (any one) :
(a) PVC (b) "Casting" as a technique of making form.