

Bachelor in Design (B.Des) Examination, 2015

Specialization in Furniture & Interior Design

Semester - VI

Paper - FI-VI/03

(Material & Process - II)

Time : Three Hours

Full Marks : 40

Questions are of value as indicated in the margin.

Part-A

Answer **any two** questions.

1. (a) Write down the chemical reactions in extraction of iron. 5+2.5+2.5=10
(b) Distinguish between :-
(i) Cast iron & wrought iron (ii) Flux & slag
2. (a) Define alloy. 1+2+3.5+3.5=10
(b) What are their advantages over pure metal?
(c) What are the ores, alloys with percentage and commercial names of following :-
(i) Copper (ii) Iron.
3. (a) Distinguish between fullering & edging 2+8=10
(b) Discuss rolling process in detail.
4. Write short notes :- 2.5×4=10
(a) Die (b) No slip point (c) Alloy of lead (d) Rolling defects

Part-B

Answer **any two** questions.

5. (a) What are the main source of aluminium? 5×2=10
(b) What are the melting point of aluminium and copper?
(c) "Aluminium is a non-ferrous metal" - Why?
(d) Differentiate between mild steel & high carbon steel.
(e) What is soldering of metals?
 6. Write down properties and uses of aluminium. 'Aluminium is a beneficial building material' - give your opinion. 3+1+6=10
 7. Write down the source, properties and uses of zinc. What is welding? Mention precautions for using of oxy-acetylene equipment. 1+2+1+1+5=10
-