

Bachelor of Design (B.Des.) Examination, 2019

Semester - VI

Specialization in Furniture & Interior

Paper – FI-VI/03

(Material & Processes – II)

Time: Three Hours

Full Marks: 40

Questions are of value as indicated in the margin.

PART A

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| 1. Distinguish between: | 6 × 2 = 12 |
| a) Forging and extrusion | |
| b) Cogging and upsetting | |
| c) Forged part and machined part | |
| d) Alloy and pure metal | |
| e) Ore and metal | |
| f) Cast iron and steel | |
| 2. Write down the constituent elements of steel and discuss their role in steel. | 4 |
| 3. Discuss the role of radius in die forging. | 4 |

PART B

*Attempt **any two** questions*

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| 4. What is casting. Briefly describe good quality of casting. | 10 |
| 5. Write properties and uses of pig iron. | 10 |
| 6. Write short note on: (a) Wrought iron, (b) Pure steel, (c) case hardening, (d) lead. | 10 |
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