

3. Describe the ingot, bloom, slab and billet shapes used in connection with the rolling of steel. 10
4. Name the pattern allowance which can be quantitatively specified Write brief note on each of them. 10
5. Explain the defects in casting with their reasons. How can these defects be prevented ? 10
6. Draw various Saw used in wood working operations and explain common types of joints in wood. 10
7. List various types of milling cutters available and draw any *two*. Draw at least one part which cannot be machined on a horizontal milling machine. 10
8. Explain the following : $2\frac{1}{2}\times 4=10$
- (a) NC and CNC machines
 - (b) Marking and marking tools
 - (c) Product and productivity
 - (d) Arc welding.

Roll No.

Total Pages : 02

Sep-21-00678

B. Tech. EXAMINATION, 2021

Semester II (CBCS)

WORKSHOP TECHNOLOGY

ME-103

Time : 2 Hours

Maximum Marks : 40

The candidates shall limit their answers precisely within 20 pages only (A4 size sheets/assignment sheets), no extra sheet allowed. The candidates should write only on one side of the page and the back side of the page should remain blank. Only blue ball pen is admissible.

Note : Attempt *Four* questions in all. Q. No. **8** is compulsory. All questions carry equal marks. Missing data if any can be assumed suitably.

1. Classify and explain on the basis of carbon (%) types of carbon on steel. Mention the properties and application of each. 10
2. Briefly explain rolling process and some common defects of wire Drawing and Extrusion ? 10