

Roll No.

3013

**B. Tech. 1st Semester (Common for All
Branches) Examination – March, 2021**

WORKSHOP TECHNOLOGY

Paper : ESC-ME-102-G

Time : Three Hours] [Maximum Marks : 75

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note: Attempt any *five* questions. All questions carry equal marks.

1. (a) Name the parts of Lathe Machine.
(b) Give the name of any 10 tools used in workshop.
(c) Explain the objective of Plant Layout.
(d) Define Welding with classification.
2. Explain the common source of Industrial accident and how we can overcome it.
3. Explain Plant Layout with types and their advantages.

4. Explain the basic principle of Hot & Cold Working process. List different processes and explain any *one* of them.
5. (a) Differentiate Punching, Blanking and Piercing process.
(b) Explain types of timber with advantages and defects.
6. Explain Cupola Furnace with neat sketch.
7. What is Casting and discuss the various steps in casting process ?
8. Discuss the reason of various welding defects with remedies.
9. Explain :
 - (a) MIG & TIG welding
 - (b) Resistance Welding
 - (c) Soldering & Brazing