

Roll No.

3013

**B. Tech. 2nd Semester (Common for All
Branches) Examination – July, 2021**

WORKSHOP TECHNOLOGY

Paper : ESC-ME-102G

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) Explain sources of accidents in a workshop.
- (b) Explain the types of Pattern in casting process.
- (c) Explain the necessary item of First Aid Kit.
- (d) Explain the casting allowances.

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2. What is accident ? Explain the various methods of preventing the accidents.

3. What are the objectives of different types of plant layout, explain.

4. Explain the process of Rolling, Extrusion, Forging, Drawing and Wire Drawing.

5. (a) Differentiate Punching, Blanking and Piercing process.

(b) Explain fitting operation.

6. Explain Sand Casting, Sand Properties, Constituents and Preparation of it

7. Explain Cupola Furnace with neat sketch.

8. Explain the welding process and classify the various types.

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9. Differentiate :

(a) MIG & TIG Welding

(b) Seam & Spot Welding

(c) Soldering & Brazing

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