

3013

B.Tech. (Common for All Branches) (G-Scheme)

1st Semester Examination, November-2023

WORKSHOP TECHNOLOGY

Paper-ESC-ME-102-G

Time allowed : 3 hours [Maximum marks : 75]

Note : Attempt any five questions in total at least one question from each unit. Question no. 1 is compulsory. Each question carries equal marks.

1. Write about : 6×2.5=15
- (a) Advantages of plant layout
 - (b) What is Extrusion ?
 - (c) Define Forging.
 - (d) Define Pattern.
 - (e) What do you understand by casting ?
 - (f) Define welding.

Unit-I

2. Write about various types of accidents. How can we minimize them, give suitable examples ? 15
3. Discuss in detail about classification of manufacturing process. 15

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Unit-II

4. Write about :
- (a) Wire drawing and spinning. 8
 - (b) Defects in timber. 7
5. Describe various sheet metal operations with the help of sketches. 15

Unit-III

6. Explain with neat sketches : Various types of pattern allowances. 15
7. Explain the working principle of shaper machine. Also discuss various parts of shaper machine with the help of neat sketch. 15

Unit-IV

8. Describe the Principle of Arc welding. Also explain MIG welding and it's application with the help of neat sketch. 15
9. Write about :
- (a) Seam welding 8
 - (b) Soldering 7