

Course Code: 1930313

Roll No:

MLRS- R19



MARRI LAXMAN REDDY
INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)

Accredited by NBA and NAAC with 'A' Grade & Recognized Under Section 2(f) & 12(B) of the UGC act, 1956

II B.Tech I Sem Supplementary Examination, July-2022

Production Technology

(Mechanical)

Time: 3 Hours.

Max. Marks: 70

Note: 1. Answer any FIVE questions.

2. Each question carries 14 marks and may have a, b as sub questions.

1. a) What are the types of gates used in casting? 7M
b) Discuss any five defects in casting and its remedies. 7M
2. a) What is the process of directional solidification? 7M
b) What are the types and functions of riser? 7M
3. a) What are the various welding positions? 7M
b) Classify the resistance welding operations. 7M
4. a) Describe the process of submerged arc welding. 7M
b) Discuss the principle of oxy fuel gas cutting. 7M
5. a) Differentiate soldering and brazing processes. 7M
b) Describe any two destructive type of testing of welds. 7M
6. a) Discuss the various affected parts in head affected zone. 7M
b) Briefly describe about the friction stir welding. 7M
7. a) Give the detailed description of tube drawing process. 7M
b) Differentiate hot and cold spinning processes. 7M
8. a) What are tube and hydrostatic extrusion process. 7M
b) What is rubber pad forming process. 7M

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