



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, February-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) Describe the type of patterns used for moulding.
b) What are the various types of pattern allowances?
2. a) Describe the process of investment casting.
b) How die casting process is performed in die casting machine.
3. a) What are the types of welding joint?
b) What is forge welding and its applications.
4. a) How does the thermit welding operation is performed?
b) What is forge welding operation?
5. a) Differentiate TIG & MIG welding operations.
b) What is friction welding and its applications.
6. a) State any five welding defects and its remedies.
b) Describe any two non destructive type of testing of welds.
7. a) Differentiate the blanking and piercing operation.
b) What are the various types of presses in the forming processes.
8. a) Discuss the various components and its functionality in extruding equipment.
b) Explain the working principle of roll forging process.