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btal No. of Questions - 8]

[Total No. of Printed Pages-2

B.E. III - Semester Examination

BE-III/11(A)

247059



MECHANICAL ENGINEERING

Production Technology

Course No - PME - 305

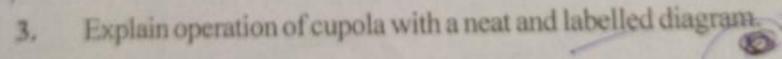
Time Allowed- 3 Hours

Maximum Marks-100

- Note: 1. All questions carry equal marks.
 - 2. Five questions out of eight to be attempted selecting at least two from each section.
 - 3. Use of scientific calculator will be allowed in the examination hall.

SECTION-A

- Explain casting and different steps involved in casting process.
 Discuss the advantages and disadvantages of casting.
- 2. Define gating system. Explain different types of gating system.



- 4. Write short notes on:
 - a) True Centrifugal casting.
 - b) Semi-centrifugal Casting.
 - c) Centrifuging.

SECTION-B

- 5. (a) Define Welding. Explain the advantages and disadvantages of welding.
 - b) Explain the classification of welding process.
- 6. Define rolling with diagram. Describe different types of rolling.
- 7. a) What is forming? Discuss different types of forming process.
 - b) Differentiate hot working and cold working.
- 8. Explain:
 - a) Submerged Arc Welding.
 - b) Resistance Welding.