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Roll No

ME-3004-CBGS

B.E. III Semester

Examination, December 2020

Choice Based Grading System (CBGS)

Manufacturing Process

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) What do you understand by casting? Name five applications of castings in industries.
b) Discuss desirable properties of moulding sand.
2. a) Explain the principle of electric arc welding.
b) Discuss different types of weld defects in short.
3. a) What is a pattern? Discuss materials used for making pattern.
b) Describe various types of pattern allowances.
4. a) What do you know about 'Thermit welding'? Explain it in brief with its main advantages.
b) What are the different welding defects? Suggest remedies for there removal.

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5. Write a note on following:
 - i) Shearing
 - ii) Piercing
 - iii) Notching
 - iv) Embossing

6. a) What do you understand by rolling what are its characteristics?
b) How would you make an I section plate using rolling?

7. Discuss types of Rolling operations.

8. Describe working principle of shaper or planner.
