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Roll No

AU/ME-3004 (CBGS)**B.E. III Semester**

Examination, December 2017

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) How to prepare a hollow component in a casting process.
b) Explain with neat sketch the cupola furnace.
2. a) What is weldability? What are the types of welding techniques?
b) What is thermit welding? Explain with suitable diagram.
3. a) What is pattern allowance? Explain the different types.
b) What is the application of Forging? Discuss the various forging operations.
4. a) Write a short note on :
i) Notching
ii) Piercing
iii) Blanking
b) Explain the use of safety devices in a press.

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5. a) What is hot and cold rolling techniques? Explain the difference in applications.
b) What are the different types of roll mills?
6. a) Explain any five Lathe operations in brief.
b) What is the basic difference in shaper and planer?
7. a) What are welding defects? Explain four welding defects in brief.
b) Explain the various types of casting process.
8. Write short notes on :
a) Sweep pattern
b) End milling
c) Embossing

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