

B.Tech. SEM -IV Mechanical 2014 Course (CBCS) : WINTER - 2018
SUBJECT: MANUFACTURING PROCESS

Day: Wednesday
Date: 14/11/2018

W-2018-2358

Time: 02.30 PM TO 05.30 PM
Max. Marks: 60

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.

Q.1 Describe various steps in casting process. (10)

OR

Q.1 What are the different types of furnaces used for melting? Explain any one with neat sketch. (10)

Q.2 List the different types of Rolling mills. Explain any two in detail. (10)

OR

Q.2 What are the different types of cold working processes? Explain any two in detail. (10)

Q.3 a) Explain electron beam welding with neat sketch. (05)
b) Describe friction Welding with its working, merits, and applications. (05)

OR

Q.3 a) Discuss the laser beam welding process with neat sketch. (05)
b) What are the different types of flames used in gas welding? Explain in brief. (05)

Q.4 Describe the working of lathe machine with schematic diagram. (10)

OR

Q.4 a) What are the work holding devices used for lathe machine? (05)
b) What are the tool holding devices used for lathe machine? (05)

Q.5 Describe the drill geometry in detail with neat sketch. (10)

OR

Q.5 List the types of milling machine, explain the working of column and knee type milling machine. (10)

Q.6 Describe the process of compression plastic moulding with its limitations and applications. (10)

OR

Q.6 a) Explain the following: (05)
i) Honing process ii) Lapping process
b) What do you mean by wheel selection and wheel mounting in grinding machining process? (05)

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