

(Following Paper ID and Roll No. to be filled in your
Answer Books)

Paper ID : 199219

Roll No.

B.TECH.

Theory Examination (Semester-II) 2015-16

MANUFACTURING PRACTICES

Time : 3 Hours

Max. Marks : 100

Section-A

Q1. Attempt all parts. All parts carry equal marks. Write answer of each part in short. (2×10=20)

- (a) What are the different Carpentry joints?
- (b) Make a list of different Carpentry processes?
- (c) Define Fitting. What are different fitting processes?
- (d) Mention different defects found in Forging operations.
- (e) What are the desirable properties of Molding sand?

- (f) Define straight polarity and reverse polarity.
- (g) What do you mean by Machine Tool? Give Examples.
- (h) Explain the term Cutting speed and feed in Metal cutting.
- (i) Name metals commonly used in Sheet Metal Work.
- (j) Make a list of different pattern materials.

Section-B

Q2. Attempt any five questions from this section.

(10×5=50)

- (a) Explain different types of wood with their properties. Also Draw and explain any three tools used in Carpentry shop.
- (b) Draw and explain different tools used in Fitting shop.
- (c) Explain different types of furnaces used in Forging operations.
- (d) What is the principle used in Resistance welding? Differentiate between Spot Welding and Seam welding.

- (e) Explain different sheet metal operations with neat sketches.
- (f) Explain principle of operation for Shaper and Milling machine.
- (g) Explain with neat sketch, principal parts of Lathe Machine. Explain different operations performed on lathe machine.
- (h) Explain various positive and negative allowances provide to the patterns with neat sketches.

Section-C

Note: Attempt any two questions from this section.

(15×2=30)

Q3. Write note on following:

- i) Metallurgy of Weld
- ii) Types of cutting tools in Machining operations
- iii) Moulding Processes

- Q4. What is Seasoning of Wood? What are the methods used for Seasoning of wood? Explain in brief.
- Q5. Define the term Forging. Explain different Forging operations with neat sketches.