

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

PAPER ID : 1288

Roll No.

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B. Tech.

(Semester II) Even Semester Theory Examination, 2012-13

MANUFACTURING PRACTICES

Time : 2 Hours]

[Total Marks : 50

Note : Attempt questions from each Section as per instructions.

Section-A

Attempt *all* parts of this question. Each part carries 1 mark.

1×10=10

1. (a) What are the different types of files used in Fitting Shop?
- (b) Name the common materials used for forging.
- (c) Make a list of different cutting tools used in Machine shop.
- (d) What is the difference between piercing and blanking?
- (e) What are the desired properties of moulding sands?

Section-B

Attempt any *three* parts of this question. Each part carries 3 marks.

5×3=15

2. (a) How do you classify Carpentry joints? Draw and explain any two Carpentry joints.
- (b) Compare AC and DC welding.
- (c) What are different sheet metal operations? Explain any two with neat sketch.
- (d) Draw a block diagram of lathe machine. Explain different operations performed on lathe machine.
- (e) Explain different materials used for pattern in casting. Give advantages and disadvantages.

Section-C

Attempt *all* questions of this Section. Each question carries 5 marks. 5×5=25

3. What type of operations are performed in Smithy shop? Explain any one with neat diagram.

Or

Draw and explain the following :

Tapping, Dieing, Draw filling.

4. Explain different forging defects.

Or

Differentiate Soft wood and Hard wood.

5. Write a note on any two of the following :

(i) Metallurgy of weld

(ii) Straight and reverse polarity in Arc welding

(iii) Spot welding.

6. Explain in brief different hand tools used in sheet metal shop.

Or

Explain the following terms :

Machine tool, Cutting speed, Feed.

7. Write a note on any two of the following :

(i) Moulding sand types

(ii) Pattern making allowances

(iii) Up Milling and Down milling.