

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

PAPER ID : 1119

Roll No.

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B. Tech.

(SEM. I) ODD SEMESTER THEORY
EXAMINATION 2013-14

MANUFACTURING PRACTICES

Time : 3 Hours

Total Marks : 80

Note :— Attempt questions from all sections as per instruction.

SECTION—A

1. Attempt all parts of the following : (2×8=16)
- Differentiate between machine tools and cutting tool.
 - Write the use of riser in casting.
 - What is the difference between sheet metal joints hems and seam ?
 - Differentiate between hot forging and cold forging.
 - Write the name of different joints used in carpentry shop.
 - What is the use of flux in welding ?
 - Make classification of sand used in foundry shop.
 - Name different tools used in the fitting shop.

SECTION—B

2. Attempt any four parts of the following : (4×6=24)
- Discuss different types of welding defects.
 - Discuss the various allowances provided on pattern.

- (c) What do you understand by the seasoning of wood ? Also discuss the different types of woods.
- (d) Explain different processes which can be performed in Fitting Shop ?
- (e) What are the main parts of the lathe ? Label it on a block diagram of lathe.
- (f) Explain different forging processes with neat sketch.

SECTION—C

3. Attempt any **five** of the following : (5×8=40)
- (a) Discuss different types of pattern used in Foundry Shop with neat sketch.
 - (b) Explain Electric Arc Welding with suitable sketch. What do you understand by the polarity in welding ?
 - (c) Explain different types of cutting tools with suitable sketch.
 - (d) Name different tools used in Carpentry Shop and discuss any three of them with neat sketches.
 - (e) Make classification of Files used in Fitting Shop. Also show the different parts of file with neat sketch.
 - (f) Explain the Milling Machine with neat sketch.
 - (g) Write short notes on the following :
 - (i) Sheet metal allowance
 - (ii) Forging material.
 - (h) Name and explain different types of Chisels used in fitting work.