

*not attempt*

(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)
- (a) Differentiate between machine tools and cutting tool.
  - (b) Write the use of riser in casting.
  - (c) What is the difference between sheet metal joints hems and seam ?
  - (d) Differentiate between hot forging and cold forging.
  - (e) Write the name of different joints used in carpentry shop.
  - (f) What is the use of flux in welding ?
  - (g) Make classification of sand used in foundry shop.
  - (h) Name different tools used in the fitting shop.

**SECTION—B**

2. Attempt any **four** parts of the following : (4×6=24)
- (a) Discuss different types of welding defects.
  - (b) 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.