



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

**PAPER ID : 180217**

Roll No.

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## B. Tech.

(SEM. II) THEORY EXAMINATION, 2014-15  
**WORKSHOP TECHNOLOGY**

Time : 2 Hours]

[Total Marks : 50

**Note :** Attempt all questions.

### SECTION A

1 Attempt all short answer type questions : **2×5=10**

- (a) Define the term "welding".
- (b) What do you mean by casting processes ?
- (c) For what purpose a drill machine is used ?
- (d) Name any eight operations which can be done on milling machine.
- (e) What are the types of flames ?

## SECTION B

- 2 Attempt any three questions of the following :  $3 \times 5 = 15$
- (a) List the types of welding. What are the advantages of welding ?
  - (b) Explain the various types of moulding materials.
  - (c) Describe the three types of centres used in the engine lathe.
  - (d) What is a core drill ? When it is used ? Write some advantages.

## SECTION C

- 3 Attempt all questions :  $5 \times 5 = 25$
- (a) Sketch and explain the working of a plain column type milling machine.
  - (b) What do you understand by NC machines ? How are they differs from CNC machines ?
  - (c) Define drilling operation. Write the main parts of twist drill and their describe their functions.
  - (d) Discuss the constructional details of horizontal shapers.
  - (e) Name any six types of resistance welding methods. For what kind of production is resistance welding mainly employed ?