

ME-1864

B.Tech. (Semester-II) Exam.-2015  
Manufacturing Processes

Time : Three Hours  
Maximum Marks : 50

Note :- Attempt questions from all the sections.

### SECTION - A

(Short Answer Type Questions)

Note : Attempt any five questions. Each question  
carry 4 marks  $4 \times 5 = 20$

1. Differentiate between elasticity and creep?
- ② Briefly explain what do you understand by Toughness?
3. Distinguish between gray cast iron and white cast iron. Also give their uses.

[P. T. O.]

- 4 Briefly explain zones of cupola.
- 5 Write short notes on Aluminium, their properties and uses.

6 What is forging?

7 What is the working principle of lathe?

8 What is welding?

### SECTION - B

(Long-answer Type Questions)

**Note :** Attempt **any two** questions. Each question carries 15 marks.  $15 \times 2 = 30$

1. Describe four methods of heat treatment.

2. Explain forward extrusion and Backward extrusion.



3. What is Grinding? Describe different operations performed on grinding machine.
4. Briefly explain oxyacetylene welding.