

**ME-202/1864**  
**B.Tech. (Semester-IInd) Exam.-2017**  
**Manufacturing Processes**

*Time : Three Hours*  
*Maximum Marks : 50*

**Note : Attempt questions from all sections.**

**SECTION - A**

(Short-answer Type Questions)

**Note : Attempt any five questions. Each question carries 4 marks.** 5x4=20

1. Explain the following terms :

- (i) Elasticity
- (ii) Plasticity
- (iii) Ductility
- (iv) Malleability

[P. T. O.]



ME-202/1864

2

2. What is tempering and Quenching?
3. What is welding?
4. Give classifications of metal.
5. Explain stress-strain diagram for ductile material.
6. What is pig Iron? How it is obtained?
7. What is manufacturing process?
8. What are bearing materials? Give properties and uses of it?

### SECTION - B

(Long Answer type questions)

Note : Attempt any two questions. Each question carries 15 marks. 15x2=30

8. Explain extrusion process and its types with diagram.

2. What is Heat Treatment? Explain all types of heat treatment process.
3. Explain processes in blast furnace with neat sketch diagram.
4. Differentiate AC and D.C. welding.