

ME-102/1850/1864

B. Tech (Semester-I) Exam.-2016
Manufacturing Process

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. 5×4=20

1. Discuss Brittleness and Toughness?
2. Define Stress and Strain?
3. How pig iron is obtained?

[P. T. O.]

- ✓ 4. Define Elasticity and plasticity?
5. Discuss properties of Moulding sand?
- ✓ 6. What is welding?
7. Discuss atleast four methods of heat treatment?
- ✓ 8. What do you understand by Manufacturing Process?

SECTION - B

(Long Answer type questions)

Note : Attempt **any two** questions. Each question carries 15 marks. 2x15=30

1. Describe working principle of lathe and name atleast five operations that can be done on lathe?

2. Describe oxy-acetylene gas welding with neat sketch diagram.
3. Differentiate between AC and DC welding..