ME-202

. Tech. (Semester IInd) Exam. -2012 Manufacturing Processes

Time: Three Hours

Maximum Marks: 50

Section - A

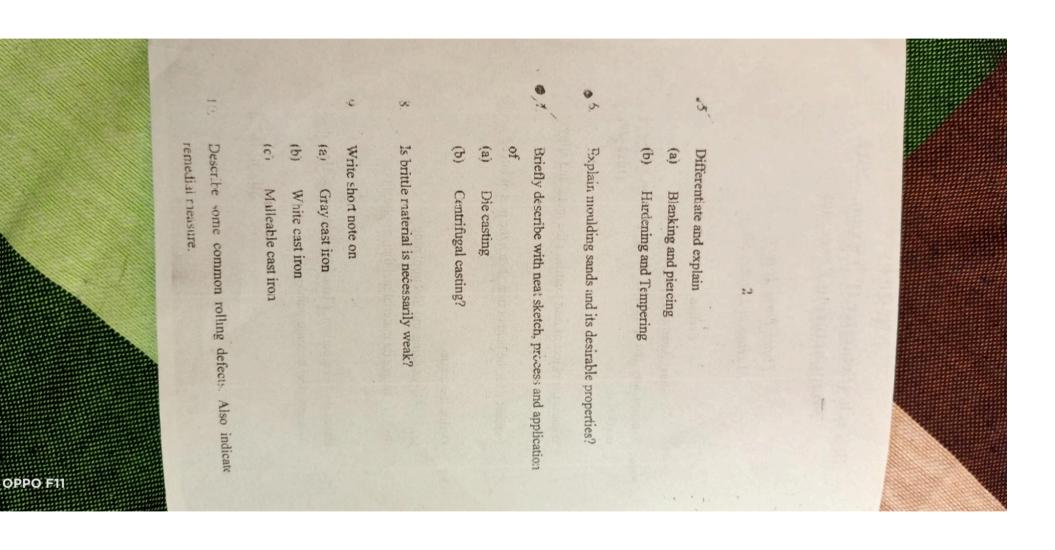
(Short Answer Type Questions)

Note: Attempt any ten questions. Each question carries 4 marks. (10x2=20)

- 1. What is the object of heat treatment the metal and alloys?
- 2. Explain with the help of neat sketch the part of lathe?
- 3. Define the terms
- (a) Galvanizing and Electroplating
- (b) Composite material and their application

Based on % on carbon. Classify carbon steels. How does stainless steel become stainless?

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Difference between shaper and planer?

Describe the type of flames; obtain in an oxy-acetylene gas welding process? Also give their applications?

Describe casting defect with neat sketch and their remedies?

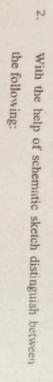
14. Explain the working and mechanism of drilling machine?

Section-B

(Long Answer Type Questions)

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

How will you classify the manufacturing processing? Explain with suitable example of manufacturing towards Technological & Socio-Economic developments.



- (a) Spot and seam welding
- (b) Gus welding and gas cutting
- How powder metallurgy is different from other manufacturing process, give two example of the product, manufacture by powder metallurgy process and also give advantages of this process?

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4. Describe the various kind of pattern in use. What are the allowances provided? When making a patter? How does a pattern differ from the casting?

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