Roll No. ..... [Total No. of Pages : 2

ME–1850

B. Tech. (First Semester)
EXAMINATION, 2019
MANUFACTURING PROCESS

Time : Three Hours

Maximum Marks : 30

Note : Attempt questions from both Sections as directed.

Section—A
(Short Answer Type Questions)

Note : Attempt any *six* questions. Each question carries 2 marks. 6×2=12

1. Describe the mechanical properties :
   (a) Elasticity
   (b) Plasticity
2. What is Machineability ?
3. Discuss the properties and applications of copper.

4. List the types of aluminium alloys and explain any *one*.
5. What is metal forming process ?
6. Explain wire drawing operation.
7. What are the advantages and applications of metal casting ?
8. What is Drilling Operation ?
9. What is Welding Process ?

Section—B

(Long Answer Type Questions)

Note : Attempt any *two* questions. Each question carries 9 marks. 9×2=18

1. What is grinding ? Discuss the operations that can be performed on grinding.
2. Differentiate between AC and DC welding.
3. Compare between shaper and planar.
4. Discuss Extrusion Process and Also briefly describe all types of extrusion processes.

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ME–1864

B. Tech. (Second Semester)

EXAMINATION, 2019

MANUFACTURING PROCSS

Time : Two Hours

Maximum Marks : 30

Note : Attempt questions from both Sections as directed.

Section—A

(Short Answer Type Questions)

Note : Attempt any *six* questions. Each question carries 2 marks. 6×2=12

Write short notes on the following :

1. Malleability and ductility.
2. How metal forming processes are classified ?
3. Write Industrial application of zinc.
4. Briefly explain the rolling process.
5. Explain the defects in casting.

6. Write and discuss *four* operations performed on lathe machine.

7. What is the working principle of lathe machine ?

8. What is the difference between Shaper and Planer ?

Section—B

(Long Answer Type Questions)

Note : Attempt any *two* questions. Each question carries 9 marks. 2×9=18

1. What is grinding ? Discuss about grinding machine. How is the grinding wheel specified ?

2. Explain Oxy-Acetylene Welding. Discuss its principle with neat sketch diagram and also explain *three* types of flames produced in Oxy-acetylene welding.

3. Differentiate between A. C. and D. C. welding.

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