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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech II Year II Semester Supplementary Examinations February-2022
MANUFACTURING TECHNOLOGY
(Mechanical Engineering)

Time: 3 hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

- 1 a Describe CO2 Process 6M
b Explain the various properties of moulding sand. 6M

OR

- 2 a With neat sketch explain stir casting process 6M
b What are the rules for satisfactory design to obtain the good castings? 6M

UNIT-II

- 3 a Explain the working of oxy acetylene gas welding. 6M
b Explain the classification of welding processes briefly. 6M

OR

- 4 a Explain the working of spot welding briefly. 6M
b Differentiate between the welding, brazing and soldering processes. 6M

UNIT-III

- 5 a What are the processes used in rolling processes 6M
b What are the defects in forged parts? How we can rectify the same? 6M

OR

- 6 a What is shape rolling process? 6M
b What are the characteristics of extrusion processes? Write Processes used? 6M

UNIT-IV

- 7 a Explain Bending operations with a suitable sketches. 6M
b Explain the Stretch forming operations & its applications. 6M

OR

- 8 a Explain the Magnetic pulse forming operations. 6M
b Write detailed notes on Micro forming Operations. 6M

UNIT-V

- 9 a Explain the polymerization briefly? 6M
b Differentiate thermo plastics and thermo settings 6M

OR

- 10 Explain the working principles and application of Blow Moulding. 12M

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