

(Please Write your Enrolment No. immediately)

Enrolment No.

MID TERM EXAMINATION

B.Tech PROGRAMMES

1st Semester, November, 2023

Paper Code ES-119

Subject: Manufacturing Process (MP)

Time: 1.5 Hrs.

Max. Marks: 30

Note : Attempt Q. No. 1 which is compulsory and any two more questions from remaining.

- Q1. (a) Explain importance of manufacturing. CO1 (2 X5 = 10)
(b) Explain core and its function. CO1
(c) Why allowances are provided? CO1
(d) Explain homogeneous and heterogeneous welding? CO2
(e) Explain advantages of welding. CO2
- Q2. (a) Explain principle, advantages and disadvantages of shell casting method with suitable diagram. CO1 (5)
(b) Explain with help of neat sketch construction and working of metal inert gas (MIG) welding. CO2 (5)
- Q3. (a) Explain different zones of Cupola furnace with suitable diagram. CO1 (5)
(b) Explain different welding defects with suitable diagrams. CO2 (5)
- Q4. (a) Explain the importance of materials and manufacturing towards technological and social economic growth with suitable example. CO1 (5)
(b) Explain with suitable sketch construction and working of resistance seam welding. CO2 (5)