Name :
Roll No:

DEPARTMENT OF MECHANICAL ENGINEERING
MAR ATHANASIUS COLLEGE OF ENGINEERING (AUTONOMOUS), KOTHAMANGALAM.

SECOND SESSIONAL EXAMINATION - March 2026

S4 Mechanical Minor
B24MEM43 Manufacturing Process

Time – 1 ½ Hours **Max: 40 Marks**

PART - A
(Each question carries 3 marks)

1. Define the term weldability **[CO3]**
2. Define the significance of using flux in brazing **[CO3]**
3. List various types of forging techniques **[CO4]**
4. What is plastic deformation? Explain briefly **[CO4]**

PART - B
*(Each question carries **14** marks)*

5. With the help of neat sketches, explain electron beam welding process. Also list the applications of the process **[CO3]**
6. With neat sketches, explain the various types of rolling mills and their working **[CO4]**

VISION
Mentoring to Ensure Excellence

MISSION
- To facilitate comprehensive and integrated devlopement of students by providing quality education that encourages sustainable practices
- To mould disciplined and socailly committed engineers capable of assuming professional leadership upholding national integrity