Name :
Roll No:

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

FIRST SESSIONAL EXAMINATION - FEBRUARY 2025

S4 Mechanical Minor
B24MEM43 Manufacturing Process

Time – 1 ½ Hours **Max: 40 Marks**

PART - A
(Each question carries 3 marks)

1. Write short notes about classification of manufacturing process **[CO1]**
2. Explain centrifugal casting process **[CO1]**
3. Explain about the significance of geometric features of powders used in powder metallurgy **[CO2]**
4. Explain about powder production methods in powder metallurgy **[CO2]**

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

5. With neat sketches explain about any 4 types of casting defects **[CO1]**
6. Explain in detail about the various steps involved in powder metallurgy process **[CO2]**

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