Name :
Roll No:

MAR ATHANASIUS COLLEGE OF ENGINEERING, KOTHAMANGALAM – 686 666

DEPARTMENT OF MECHANICAL ENGINEERING
FIRST SESSIONAL EXAMINATION AUGUST 2026
S5 M A & B
B24ME3P11 OPERATIONS MANAGEMENT

Time – 1.5 Hours **Max: 40 Marks**

PART-A (4 x 3 = 12 Marks)
Answer All Questions

1. List the major functions of an Operations Manager. **[CO1]**
2. List the advantages and disadvantages of Job Shop Production. **[CO1]**
3. List the factors affecting facility location. **[CO1]**
4. State the procedure of the Center of Gravity Method. **[CO1]**

PART-B
Answer all questions

5. Compare the suitability of Job Shop, Batch, Mass and Flow Production systems for the following industries: Shipbuilding, Bakery , Automobile manufacturing, Pharmaceutical production.
[CO 1] 14 Marks

6. Explain the Factor Rating Method for facility location with a suitable numerical example.
[CO 1] 14 Marks

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