

# AR19

Code: 19MBA2004

**SET-2**

**ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI  
(AUTONOMOUS)**

**I MBA II Semester Regular/Supplementary Examinations, August-2022**

**OPERATIONS MANAGEMENT**

**Time: 3 Hrs**

**Max. Marks: 60**

**Answer any Five questions  
All questions carry EQUAL marks  
Question No. 8 is Compulsory**

1. Explain the nature and scope of Production and Operations Management. **12M**
2. Discuss the importance of Plant Layout and explain different types of Layouts. **12M**
3. How Material Requirement Planning (MRP) is different from Inventory control. Also explain the different inputs of MRP. **12M**
4. What are the different types of Manufacturing systems? Explain each one with merits and demerits. **12M**
5. What is Line Of Balancing and its its benefits.? Explain the LOB technique with an example. **12M**
6. Discuss the concept of Productivity and factors affecting Productivity. **12M**
7. Discuss the various types of Control charts. What are their applications in different manufacturing situations? **12M**
8. **CASE STUDY:** **12M**  
An Auto Industry purchases Spark plugs at the rate of Rs.25 per piece. The annual consumption of spark plugs is 18,000 no.s. If the ordering cost is R.250 per order and carrying cost is 25% .p.a. ,
  - a. What would be the EOQ?
  - b. If the supplier of spark plugs offers a discount of 5% for order quantity of 3,000 no.s per order , do you accept the discount offer?