

**ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI
(AUTONOMOUS)
I MBA II Semester Regular & Supplementary Examinations, June-2019
PRODUCTION & OPERATIONS MANAGEMENT**

Time: 3 Hrs**Max. Marks: 60**

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

1. What are the different types of production systems explain with examples.
2. Define business process reengineering. What is the role of technology in BPR?
3. Define EOQ. What is its role in inventory control?
4. Define scheduling. What is its importance in Mass continuous production?
5. What is total productive maintenance? Define value analysis.
6. What are the prime determinants of quality? Mention various costs of quality.
7. Discuss the various types of control charts. What are their applications in different manufacturing situations?
8. **CASE STUDY:**

A raw material undergoes two machining process at machines turning (M1) and grinding (M2) in sequence before becoming a finished item before. There are six raw material available in buffer for machining and the time required performing the turning & grinding are given below.

| Book | 1 | 2 | 3 | 4 | 5 | 6 |
|------|---|---|---|---|---|---|
| M1 | 4 | 8 | 2 | 6 | 5 | 7 |
| M2 | 7 | 3 | 5 | 2 | 1 | 5 |

Calculate the total elapsed time to complete the job and also the idle times at both the machines.