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Set-01

Code: 13MBA1010

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

I MBA II Semester Regular Examinations, July/August, 2014

PRODUCTION AND OPERATIONS MANAGEMENT

Time: 3 Hours

Max. Marks: 60

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

1. Define Production and Operations Management. Explain its scope.
2. Define Layout. Explain various types of layouts
3. Explain the following:
a) Aggregate Planning b) MRP c) EOQ
4. In a factory, there are six jobs to perform each of which should go through two machines A and B. The processing timings for the jobs are given here. You are required to determine the sequence for performing the jobs that would minimize the total elapsed time.

Job	J1	J2	J3	J4	J5	J6
Machine-A	1	3	8	5	6	3
Machine-B	5	6	3	2	2	10

5. Define Work Study. Explain its objectives and benefits.
6. What is the concept of productivity? Explain various techniques to improve productivity.
7. What are the modern tools of management used by industries to produce high quality products at optimum cost?

8. Case Study:

There were several defects in a consignment of Glass Mugs. The details are as follows:

No. of Defective Glass Mugs	1	2	3	4	5
No. of Defects	2	1	3	5	4

Fix the upper control and lower control limit for monitoring defects.
