Code: 14E00206

MBA II Semester Supplementary Examinations December/January 2015/2016
OPERATIONS MANAGEMENT
(For students admitted in 2014 only)

Time: 3 hours   Max. Marks: 60

All questions carry equal marks
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SECTION – A

Answer the following: (05 X 10 = 50 Marks)

1   Explain the historical development of PDM.

OR

2   What is CAD/CAM analysis?

3   What are the factors to be considered in location of facilities?

OR

4   Explain different types of layouts of facilities.

5   Explain the methods of production control.

OR

6   Find the optimal sequence, total elapsed time for processing the following seven jobs.

Job	A	B	C	D	E	F	G
Machine - 1	9	5	8	3	4	1	7
Machine - 2	2	4	10	5	6	11	6

7   Explain any two recording techniques in method study.

OR

8   Discuss the control charts for variables and attributes.

9   What are the types of productivity? How is it important for production management?

OR

10   Discuss the total productivity model.

SECTION – B

(Compulsory Question)   01 X 10 = 10 Marks

11   **Case study:**

The following data were collected from a process manufacturing power supplies. The variable of interest is weight (grams) of a pack, and n = 5. Draw the appropriate control chart for the following. (for n = 5, A_2 = 0.577, D_3 = 0, D_4 = 2.114)

Sampling No.	$\bar{X}$	R	Sample No.	$\bar{X}$	R
1	1003	14	11	1005	14
2	1002	15	12	1003	12
3	1004	12	13	1002	13
4	1005	21	14	1005	14
5	1004	14	15	1004	15
6	1006	13	16	1005	13
7	1002	17	17	1006	15
8	1005	12	18	1002	12
9	1006	14	19	1005	14
10	1004	13	20	1003	12