

Subjt Code: R16MBA204
MBA - II Semester Regular and Supplementary Examinations, April-2018.
PRODUCTION AND OPERATIONS MANAGEMENT
Time: 3 hours
Max Marks: 60
Question Paper Consists of Part-A and Part-B.
Answering the question in Part-A is Compulsory & Four Questions should be answered from Part-B
All questions carry equal marks of 12.
PART-A (CASE STUDY)
1 X 12 = 12
1. Construct both X and R chart from the following data.

Sub-group number	X	R
1	6.36	0.10
2	6.38	0.18
3	6.35	0.17
4	6.39	0.20
5	6.32	0.15
6	6.34	0.16
7	6.40	0.13
8	6.33	0.18
9	6.37	0.16
10	6.33	0.13
11	6.32	0.18
12	6.30	0.10
13	6.34	0.11
14	6.39	0.14
15	6.37	0.17
16	6.36	0.15
17	6.35	0.18
18	6.35	0.13
19	6.34	0.18
20	6.34	0.16

Assume constant values $A_2 = 0.73$, $D_3 = 0$ and $D_4 = 2.28$

- 2. Explain the meaning and differences between mass production and batch production.**
- 3. Identify the functions of production planning and control.**
- 4. Describe different types of plant layouts.**
- 5. (a) Importance of productivity (6 marks)**
(b) Principles of TQM (6 marks)
- 6. How to go with ABC analysis method of inventory control and to which type of organizations it is more suitable.**
- 7. (a) Importance of SQC (6 marks)**
(b) Principles of ISO (6 marks)

www.FirstRanker.com