

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)

\*\*\*

firstRanker.com  
www.FirstRanker.com