

II - S - (2 Yr.) DDCE - MBA - 16 - (POM) - NC - (R&B)

2016

Full Marks - 70

Time : As in the Programme

The figure in the right hand margin indicates marks.

Answer ALL questions.

Section - A

Answer any THREE.

[12×3=36]

1. What is production process ? What are the roles and responsibilities of a Production Manager ?
2. How a product is designed ? Explain the different concepts used in produce design.
3. Explain the different types of production processes with a suitable example for each.
4. Explain the Factor rating method for facility location with the help of a suitable example.

[Cont...

5. A project consists of activities from A to I with immediate predecessors and duration (months) as per the details given below.

Construct the network, determine the critical path and the time of completion of the project.

Activity	Preceding Activity	Optimistic Time	Most likely Time	Pessimistic Time
A	Nil	4	5	6
B	Nil	4	6	8
C	A	3	5	7
D	B	1	3	5
E	C, D	2	5	8
F	C, D	3	4	11
G	E	4	5	12
H	H	4	5	6
I	F, H	5	6	13

[Cont...

[3]

Section – B

Answer any THREE.

[8×3=24]

1. Write short notes on the below mentioned.

(a) Breakeven point.

(b) Varying output plan

2. The Annual requirement for a product is 3000 units. The ordering cost is Rs. 100/- per order. The cost per unit is Rs. 10/-. The carrying cost per unit per year is 30% of the unit cost. Find the EOQ value. If the ordering cost reduces to Rs. 80/- per order what will be the EOQ. Compare the total cost for both the cases.

3. Why Inventory control is important in the Industry ? Explain the different costs associated with Inventory.

4. Explain the different strategies in aggregate production planning.

[Cont...

[4]

5. Explain the different factors affecting the facility location of a production organization.

Section – C

Answer any TWO.

[5×2=10]

1. Differentiate between Production and Manufacturing.
2. What is product Life Cycle ?
3. What is Project Crashing and why is it required ?
4. Give a brief description on JIT.

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- Deciding on domestic
 & international location
- Regional location decision