I MBA - II Semester – Regular/Supplementary Examinations
October 2020

PRODUCTION AND OPERATIONS MANAGEMENT

Duration: 3 hours   Max. Marks: 60

SECTION - A

1. Answer the following: 5 x 2 = 10 M

a) CAD / CAM.
b) Work Design.
c) Waste Management.
d) Six sigma.
e) Objectives of Stores Management.

SECTION – B

Answer the following: 5 x 8 = 40 M

2. a) Discuss the various stages of production process and give the different types of production systems with suitable examples.

(OR)

b) Define Production and operation Management. Elaborate on why to study POM and scope of the Production and Operation Management?

3. a) Explain the Scope of PPC in an industry and give the Objectives, elements of PPC. Also write the Significance of PPC in a factory.

(OR)

b) Describe the concept of Materials Requirement Planning.

4. a) What do you Understand by Acceptance Sampling? Explain the concepts of Single and Double Sampling Plans.

(OR)

b) Explain the Manufacturing process technology for the twentieth century and discuss on how POM can enhance the Indian Manufacturing Sector.

5. a) What is Quality? Explain the Dimensions of Quality Deming's 14 Principles.

(OR)

b) What is the Concept of Productivity? Explain Productivity Measures and uses of Productivity Measures.

6. a) Define Purchasing. State the Objectives of Purchasing.

(OR)

b) Define Inventory Control. Describe the Objectives and functions of Inventory Control. What are the advantages and disadvantages of having excess inventories?

SECTION-C

7. Case Study   1 x 10 = 10 M

Consider the details of a project as shown below:
 i)   Construct the CPM Network.
 ii) Determine the Critical Path.
 iii) Compute Total Floats and Free Floats for Non-Critical
       activities.

Activity	Immediate Predecessor(s)	Duration (Days)
A	-	4
B	-	8
C	-	5
D	A	4
E	A	5
F	B	7
G	B	4
H	C	8
I	C	3
J	D	6
K	E	5
L	F	4
M	G	12
N	H	7
O	I	10
P	J,L	5
Q	M,N,O	8