

00313

**MASTER IN BUSINESS ADMINISTRATION
(MBACN)**

Term-End Examination

December, 2013

**MCN-012 : OPERATIONS AND SUPPLY CHAIN
MANAGEMENT**

Time : 3 hours

Maximum Marks : 100

Note : Attempt any five questions.

All questions carry equal marks.

1. (a) Why is CPM/PERT a popular and widely applied project scheduling technique ? **10+10**
(b) Discuss the relationship of direct and indirect costs in project management.

2. (a) How can the results of queuing analysis be used by a decision maker for making decisions ? **10+10**
(b) When is a decision tree a better method for analyzing a decision situation than a pay off table ?

3. (a) How does the customer's perspective of quality differ from the producer's perspective ? **10+10**
(b) Define the two major categories of quality cost. Discuss how they are related to each other.

4. (a) Why are sample sizes for attributes necessarily larger than sample sizes for variables ? 10+10
- (b) How are mean (\bar{X}) and range (R) charts used together ?
5. (a) List and explain five factors that affect the make-or-buy decision. 10+10
- (b) Discuss factors those make the Gurgaon region of Haryana an attractive location for service and manufacturing business.
6. (a) What is the purpose of aggregate production planning ? When is aggregate production planning most useful ? 10+10
- (b) How do scheduling activities differ for projects, mass production, and process industries ?
7. (a) What is the purpose of JIT ? How did JIT evolve into a system of continuous improvement ? 10+10
- (b) Explain the concept of supply-chain. Discuss the benefits and risks in supply chain integration.
8. Write short notes on **any four** of the following :
- (a) Lean Production 5x4=20
- (b) Enterprise Resource Planning
- (c) Applications of simulation
- (d) Supplier selection
- (e) Inventory Management
- (f) Capacity Planning
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