MS-53

MANAGEMENT PROGRAMME

01304

Term-End Examination

June, 2013

MS-53 : PRODUCTION OPERATIONS MANAGEMENT

Time : 3 hours

Maximum Marks : **100**

(Weightage 70%)

Note : Attempt **any four** questions. Assume any missing data suitably. All questions carry **equal** marks.

1. (a) Define a production system. Give its major characteristics. Explain systems viewpoint of operations management. Take examples of a manufacturing company.

   (b) What are major benefits of ISO 9000 Certification ? Also explain the utility of ISO 9000 Certification.

2. (a) Explain in detail the Delphi method as an effective means of structuring group communication process.

   (b) Explain advantages and disadvantages of preparing a probability forecast of demand.

3. (a) Why is layout important ? Classify layout. Explain with advantages and disadvantages of layout.

(b) Explain the importance of work measurement techniques. Discuss in detail any one of them.

4. (a) Discuss major characteristics of Just-in-Time Systems.

(b) Why are Assembly line important in mass production? Explain with the help of appropriate examples Line -Balancing of assembly operations.

5. (a) Why is Inventory required ? Provide reasons. Also explains what problem we face because of excessive Inventory.

(b) Discuss preventive maintenance. In what ways is preventive maintenance absolutely necessary in JIT/Kanban/ Pull manufacturing as opposed to push manufacturing.

6. (a) What is Group Technology(GT) ? Give it's major uses. How does this help in modern manufacturing ?

(b) Explain Computer-Aided Manufacturing (CAM). Discuss some of it's technologies.