

MANAGEMENT PROGRAMME

Term-End Examination

December, 2015

**MS-5 : MANAGEMENT OF MACHINES
AND MATERIALS**

Time : 3 hours

Maximum Marks : 100

(Weightage 70%)

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- Note :** (i) *Answer any four questions.*
(ii) *All questions carry equal marks.*
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1. (a) Explain the importance of Management of materials in production system in modern manufacturing industry.
(b) Distinguish between Strategic Decisions and Operational Decisions. Discuss.
2. (a) Describe the major quantitative models used for facility location.
(b) Briefly explain the 'continuous flow process'. Describe the advantages and disadvantages of a continuous flow process.
3. (a) Describe the work measurement procedure. Discuss the major techniques of work measurement.
(b) "Environmental factor is necessary in modern industry." Do you agree? Explain with examples.

4. (a) Describe 'Kilbridge - Wester' method and 'Helgeson - Birnie' method.
- (b) How maintenance system can be profitable in a large -scale industry ? Discuss the various types of maintenance systems.
5. (a) What is value engineering ? Discuss its importance.
- (b) Distinguish between 'quality control', 'quality assurance' and 'total quality management.'
6. (a) Describe the technique of 'economic order quantity'. Derive classical economic order quantity formula, state the major assumptions.
- (b) State the objectives of codification. Discuss the essential features of a good codification system.
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