

MANAGEMENT PROGRAMME

Term-End Examination

December, 2014

**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 how introduction of new product well in time can help in long-term survival of the organizations? Use product life cycle curve to explain. Also explain stages in system life cycle.
(b) Discuss classification of production management decisions. Give some view points for these decisions.
2. (a) Explain the product selection process and stages involved therein. Use appropriate example.
(b) Explain characteristics of continuous process in production systems with the help of an example. Also discuss the advantages.

3. (a) Discuss the importance of facility location. Elaborate the steps in the facility location study.
(b) Elaborate environmental factors as required for job design in manufacturing organisations.
 4. (a) Define standard time. Discuss different steps involved in conducting a time study.
(b) Discuss aggregate production planning in detail.
 5. (a) Define value analysis. Explain FAST diagram as a value engineering tool. Give example.
(b) Explain Operating Characteristic Curve and discuss its importance with respect to acceptance sampling plans.
 6. (a) Explain the process of vendor evaluation and rating. Provide different types of vendor rating plans.
(b) Explain with the help of an example the ABC process of inventory control. Discuss its merits and demerits.
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