

07351

MANAGEMENT PROGRAMME

Term-End Examination

June, 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) Draw the framework of planning, organising and control decisions in production systems as given by Adam and Ebert. Explain this model with examples.
(b) Discuss different forms of transformation processes in practice depending upon the type of the output. Give examples.

2. (a) Identify the different steps in facility location. Take an example of Fast Food restaurant and discuss your assumptions.
(b) Classify material handling equipments as used in industry. Express your views on establishing a totally automated material handling system in a product layout.

3. (a) List the techniques of work measurements. Discuss in detail any one of them.
(b) "Environmental factors are important for effective job design". Elaborate your views with examples.
 4. (a) What are the objectives of maintenance activity ? Elaborate different types of maintenance system.
(b) Why is line balancing important in production ? Describe Kilbridge and Wester method of assembly line balancing with the help of appropriate example.
 5. (a) Draw a typical structure of a MRP Based Planning System. Explain this structure.
(b) Briefly describe different phases of a value engineering process.
 6. (a) Is acceptance sampling plan a quality control tool ? Explain with the help a neat figure the discriminatory power of an acceptance sampling plan.
(b) Discuss reasons for codification, classification and standardization of materials. Give advantages and disadvantages of codification.
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