

**MANAGEMENT PROGRAMME
(MP)**

Term-End Examination

June, 2023

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

Time : 3 Hours

Maximum Marks : 100

Weightage : 70%

Note : (i) Answer any **four** question.

(ii) All questions carry equal marks.

1. (a) Explain different types of production systems giving suitable examples.
(b) Elaborate various situations which lead to a study of facility location. Describe also Alfred Weber's analysis in this connection.
2. (a) Introducing a new product in the market is a risky proposition which only a big company should undertake. Do you agree with this view-point ? What in your opinion should be the stages in selection of a product ?

- (b) Discuss how plant layout and material handling methods depend on the nature of product and the quality of manufacture. Give examples.
3. (a) “Establishing a minimum capacity and managing with alternate sources like overtime, additional shifts and subcontracting is always a low-risk strategy.” Comment.
- (b) What are the various objectives of Value Engineering ? Why is purchasing department sometimes helpful in value engineering programme ?
4. (a) What do you understand by sampling plan ? Describe single sampling and double sampling plans giving suitable examples and also discuss their relative advantages and disadvantages.
- (b) Each of us realizes that such environmental variables as temperature and noise affect our work. What evidences can you cite that supports the impact, such environmental variables have on output ?

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5. (a) Why is stores accounting important for a firm ? Discuss various system that may be followed and their impact on product pricing.
- (b) 'Waste Management is complementary to 'Resource Management.' Critically examine and comment on the above statement.
6. Write short notes on any *four* of the following :
- (a) Life cycle of a production system
 - (b) Method study
 - (c) Robotics
 - (d) O.C. curve
 - (e) CPM and PERT
 - (f) Buffer stock