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MS-005

MANAGEMENT PROGRAMME (MP)

Term-End Examination

June, 2026

**MS-005 : MANAGEMENT OF MACHINES AND
MATERIALS**

Time : 3 Hours

Maximum Marks : 100

Weightage : 70%

Note : (i) Attempt any **four** questions.

(ii) All questions carry equal marks.

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1. (a) How do inflation, energy shortages and a shorter work week present new challenges to Production/Operations Management ?
 - (b) Discuss various factors which must be considered for locating a steel plant. Give examples.

2. (a) Enumerate the basic types of Plant Layouts. What are the various factors that must be considered for designing a Plant Layout ?
(b) Explain 'Product Design'. How does it influence process design ?
3. (a) Write an assessment plan on how to organise value engineering functions in an electronic industry.
(b) Why are averages of samples used in control charts rather than individual readings ? Explain with suitable examples.
4. "The majority of industrial tasks will depend for their efficiency on adequate vision." Discuss.
5. (a) Discuss various environmental factors that affect productivity of a labourer. How can it be improved ? Explain with suitable examples.
(b) What do you mean by 'Ergonomics' ? Discuss briefly design of equipments as related to it.

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6. Write short notes on any *three* of the following :

- (a) Store Management
- (b) Vendor Rating
- (c) Project Crashing
- (d) Learning Curve
- (e) Travel Charts

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