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MANAGEMENT PROGRAMME (MP)

Term-End Examination

December, 2021

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

Time : 3 Hours

Maximum Marks : 100

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

(ii) All questions carry equal marks.

1. (a) Explain the product selection and stages involved therein. Discuss the key elements to be considered in the process of product design.

- (b) Discuss the objectives of effective facility planning. Name the various types of layout.

2. (a) Explain the capacity planning. What are the popular methods to measure the capacity ?

- (b) What do you understand by flow and activity analysis ? Explain the role of flow diagram in activity analysis.

3. What is the objective of Method Study ? How does method study help in work simplification ?

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4. (a) Explain the role of value engineering in cost reduction and performance improvement.
- (b) What are the key elements of the mass production ? Why mass production are suitable for low variety and high volume production ?
5. (a) Discuss the sampling plan. How do process control charts work to control the quality ?
- (b) What does the one understand the term 'quality' ? Discuss the role of quality control in manufacturing sector.

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6. (a) What are the functions of inventory ? Explain the ABC inventory management system.
- (b) What are the reasons for classifications, codifications and standardisation of materials ? Discuss the advantages of standardisation.

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