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MS-5

MANAGEMENT PROGRAMME (MP)

Term-End Examination

December, 2020

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

Time : 3 Hours

Maximum Marks : 100

Note : *Answer any **four** questions. All questions carry **equal** marks.*

1. (a) What is the producibility ? How does it affect the product selection ?

(b) Explain the product design. How does it influence the process design ?

2. (a) Why is 'in process inventory' likely to be higher for an intermittent operation than for a continuous flow operation ?

- (b) What are the steps of a facility location study ? In case you want to locate a soft drink bottling plant, what factor would you consider relevant for taking a location decision ?
3. (a) Service organisations usually have to be provided with a higher capacity than annual or monthly requirement. Why ?
- (b) What is work design ? Does work design increase productivity ? Justify your answers.
4. (a) Discuss some principles of motion study and their relevance to job design.
- (b) Critically examine the statement, “Value engineering is more human relation, team building and motivation programme than any they else.”
5. (a) What are the demand factors and how do they influence the purchase decisions ?

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- (b) What do you understand by statistical quality control ? Explain the acceptance sampling with suitable diagram.
6. (a) Briefly explain the inventory control. Who should be responsible for inventory control ? Why ?
- (b) What do you understand by automated storage and retrieval ? For what kinds of goods, do you think such system would be appropriate ?