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MS-5

MANAGEMENT PROGRAM (MP)

Term-End Examination

June, 2020

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

Time : 3 Hours

Maximum Marks : 100

Note : (i) Attempt any four questions.

(ii) All questions carry equal marks.

1. (a) Why is it more difficult to increase the productivity of a service system as compared to a production system ?

P. T. O.

- (b) What do you understand by process life cycle ? Explain in detail in context of machines.
2. (a) Explain the flexible manufacturing system. Is a flexible manufacturing suitable for mass production ? Justify your answer.
- (b) List the basic type of plant layout. How is the cellular layout different from the process layout ?
3. (a) Briefly explain the importance of material handling in designing a layout. What is entailed in selecting the material handling system ?

(b) What do you understand by method study ?
Explain the different stages of method study.

4. (a) List the essential factors that must be addressed in job design and briefly discuss the importance of each one.

(b) Explain 'Value Engineering'. How do you organize value engineering function in an automobile industry ?

5. (a) Briefly explain the quality management. Critically examine the statement "quality is free, but it is not a gift."

(b) What do you understand by statistical process control ? Explain the purpose of the control chart.

6. (a) Draw a typical structure of MRP based Planning System. Explain its structure.
- (b) What are the reasons for codifications and standardization of materials ? Briefly explain the advantages and disadvantages of codification.