

MANAGEMENT PROGRAMME

Term-End Examination

June, 2015

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

Time : 3 hours

Maximum Marks : 100

(Weightage 70%)

-
- Note : (i) Answer **any four** questions.
(ii) All questions carry **equal** marks.*
-

- Depict the Material Flow characteristics of a typical production process. Explain the various types of production systems.
 - Explain the concept of system life cycles ? Give suitable examples.
- How do you select the material for developing a new product. Explain the product selection process.
 - What is meant by "Capacity" ? How would you predict the future capacity requirements ?
- Explain the concept of work Design ? How would you correlate with the "Method Study". Explain with suitable examples.
 - Explain the meaning of "Design Factor" ? Illustrate it in the context of automobile Industry.

- 4. (a) How would you determine the optimum batch size ? Explain it briefly.
- (b) Briefly explain the technique of PERT. What managerial information can be obtained from PERT analysis.

- 5. (a) Explain the concept of Value Engineering. List the various phases of 'Value Engineering Job Plan'.
- (b) Write short notes of **any two** of the following.
 - (i) Acceptance Sampling
 - (ii) Cost of quality
 - (iii) Statistical Process Control

- 6. (a) State the functions of Inventory. How would you classify the various Inventory Systems ?
- (b) Briefly explain the store accounting and verification system.
