

05092

MANAGEMENT PROGRAMME

Term-End Examination

June, 2011

MS-5 : MANAGEMENT OF MACHINES
AND MATERIALS

Time : 3 hours

Maximum Marks : 100

(Weightage 70%)

Note : Answer **Any 5** questions.

All questions carry equal marks.

Assume any missing data suitably.

1. (a) How is value added to any entity using operations function ? Explain the conceptual model of a 'Operations System'. **10**
- (b) Discuss life cycle approach in Operations Management. Use examples to elaborate. **10**
2. (a) What is Product Design ? How does it influence the Process Design ? Explain with examples. **10**
- (b) What type of layout would you suggest in designing a big hospital ? Discuss. **10**

3. (a) How is computerized layout planning is done ? Discuss its benefits and different softwares used for this purpose. 10
- (b) Define capacity. Explain the process used for capacity planning. Take example of any organization of your choice. 10
4. (a) Why is material handling important ? Discuss its classification. 10
- (b) What are common classification systems of materials ? Explain importance of codification and standardization of materials. 10
5. (a) What are different forms used by purchase department ? Discuss different criteria employed for evaluating purchasing system. 10
- (b) Discuss importance of Value Engineering. Also list its various phases. 10
6. (a) What is acceptance sampling ? Explain different types of sampling plans. Explain Operating Characteristic Curve. 10
- (b) Why are control charts used ? Discuss \bar{X} and R type of control chart. Give its importance. 10
7. (a) Where do we use work sampling ? Explain its step as used for standard time determination. 10
- (b) Discuss ABC system of Inventory Control. Give its variants as used in Industry. 10

8. Write short notes on **any two** of the following : **2x10=20**
- (a) Methods Study
 - (b) Programme Evaluation and Review Technique.
 - (c) Assembly line
 - (d) Planning and Control for job shop production
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