

MMPC-009

MANAGEMENT OF MACHINES AND MATERIALS

Total Marks - 100

Time Duration - 3 hrs

Section- I : Answer any five questions. All questions carry 4 marks.

1. Explain time study in brief.
2. What do you understand by value analysis?
3. Define gross wastivity.
4. When does a location decision arise?
5. What do you understand by slack?
6. Define work design.
7. What do you understand by the term 'standardisation'?

Section – II : Answer any five questions. All questions carry 10 marks.

8. Explain the various stages involved in selection of product.
9. Explain the disadvantages of the continuous flow process.
10. Write a short note on Material Requirements Planning (MRP)
11. Classify the material on the basis of nature.
12. Write the characteristics of job shop production.
13. Write a note on automation and robotics.
14. Explain procedure of PERT.

Section –III : Answer any two questions. All questions carry 15 marks.

15. Work measurement is concerned with the determination of the amount of time required to perform a unit of work. Comment on the statement.

16. Explain the concept of inventory and inventory management. Also, explain the various inventory related costs.

17. A recent trend has been the development of computer programme to assist the layout planner in generating alternative layout designs. Explain, in view of statement, the concept of computerised layout planning.