

02433

MANAGEMENT PROGRAMME

Term-End Examination

December, 2018

**MS-005 : 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.

1. (a) Describe any four activities performed by the Operations Manager in a software development organisation.
(b) "A poor layout will result in continuous losses in terms of higher effort for material handling, more scrap and rework, poor space utilization etc." What are the objectives and advantages of good plant layout? Discuss in detail.
2. (a) What layout innovation have you noticed recently in retail establishments? Discuss.
(b) Identify and discuss four ways in which labour standards are set.
3. (a) How would you classify the following Job element? Are they personal, fatigue or delay?

- (i) The operator stops to talk to you
 - (ii) The operator lights up a cigarette
 - (iii) The operator opens his lunch box (it is not lunch time), removes an apple and takes an occasional bite.
Discuss in detail.
- (b) "Unlike mass production system which tend to be organised as product layout with machines or equipment arranged according to the product flow, batch production normally is done employing a process layout." Discuss in detail the features of batch production.
4. (a) What is the relationship between the Aggregate Plan and Master Production Schedule ? Discuss briefly.
- (b) If the trends of computerisation of processes continue to grow, what would be its impact on the maintenance function ? Discuss in detail.
5. (a) Briefly explain quality planning, quality assurance, and quality control and improvement.
- (b) What are the activities in the purchasing function that requires high consideration for legal aspects ? Discuss in detail.
6. (a) Explain the following : "All things being equal, the production inventory quantity will be larger than the economic order quantity."
- (b) How are inventory level monitored in retail stores ? Discuss in detail.