

MANAGEMENT PROGRAMME

Term-End Examination

June, 2021

**MS-05 : MANAGEMENT OF MACHINES
AND MATERIALS**

Time : 3 hours

Maximum Marks : 100

(Weightage : 70%)

Note : Answer any **four** questions. All questions carry equal marks.

1. (a) Explain the objectives of Operations Management. Discuss the role of operations managers.
- (b) In your opinion, what is easier to manage between a high volume continuous operation and a high variety intermittent operation ? Justify your answer.
2. (a) What factors do you consider in designing a plant layout ? Briefly discuss the steps involved in plant layout design.
- (b) What is meant by intensiveness of use of a productive unit, and how is it relevant while establishing its capacity ?

- 3.** (a) What is the 'concept of work design' ? Explain the significant benefits of work design.
- (b) List the critical factors that must be addressed in job design and briefly discuss the importance of each one.
- 4.** (a) Define the Economic Order Quantity. Derive the equation for an economic order quantity.
- (b) What is the role of CPM in project management ? Differentiate between CPM and PERT.
- 5.** (a) What is Value Engineering ? How does value engineering help in improving the efficiency and effectiveness of product ?
- (b) What do industry persons/practitioners understand by 'sampling' in the context of quality control ? Explain the Single Sampling Plan.
- 6.** (a) What are the significant criteria for vendor evaluation ? Briefly explain each of them.
- (b) Why is stores accounting important for a firm ? Discuss various systems that may be followed and their impact on product pricing.
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