Or

Discuss Six Sigma concept and its applications in manufacturing.

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51027

M.B.A. EXAMINATION, 2026

(Second Semester)

(Re-appear Only)

(2018-19 Onwards)

PRODUCTION AND OPERATIONS MANAGEMENT

Time : 3 *Hours*] [*Maximum Marks :* 80

Before answering the question-paper, candidates must ensure that they have been supplied with correct and complete question-paper. No complaint, in this regard will be entertained after the examination.

Note : Attempt *Six* questions in all. Q. No. **1** is compulsory.

1. (a) Define operations management.

(b) What is aggregate production planning ?

(c) What is plant layout ?

(d) Write any *two* types of production systems.

(e) Define capacity planning.

(f) Define Just-in-Time (JIT).

(g) What is MRP ?

(h) Define inventory control.

(i) What is ABC analysis ?

(j) What is TQM ? **2×10=20**

Unit I

2. Explain objectives, functions and scope of production management. **12**

Or

Discuss plant location and plant layout factors in detail.

Unit II

3. Explain aggregate production planning with suitable examples. **12**

Or

Describe CPM and PERT techniques in project scheduling.

Unit III

4. Explain Material Requirement Planning (MRP) and its benefits. **12**

Or

Discuss purchasing management and its objectives and methods.

Unit IV

5. Explain various inventory control techniques. **12**

Or

Discuss maintenance management and types of maintenance.

Unit V

6. Explain Total Quality Management (TQM) and its principles. **12**