



**MBA DEGREE EXAMINATIONS: NOV/DEC 2023**

(Regulation 2022)

Second Semester

**MBA - PROJECT MANAGEMENT**

P22MPB2115: Project Design for Quality

**COURSE OUTCOMES**

- CO1:** Demonstrate knowledge and understanding of contribution of quality theorists to implement quality in the organization
- CO2:** Demonstrate knowledge and understanding about various ISO Standards and Quality Management system, Quality Policy and documentation at different stages of time.
- CO3:** Display ability to demonstrate the knowledge of Total quality management (TQM) concepts and the associated challenges in deployment of TQM
- CO4:** Display ability to analyze the cost associated with quality and perform quality costing analysis for the projects.
- CO5:** Evaluate the suitability of tools related to TQM for application in their projects

**Time: Three Hours**

**Maximum Marks: 100**

**PART A (1Q x 20 Marks = 20 Marks)**

- 1 Elaborate Total Quality Management vs Total Project Management. CO<sub>5</sub> [K<sub>6</sub>]

**PART B (10Q x 2 Mark = 20 Marks)**

- 2 Define Pareto Chart CO<sub>1</sub> [K<sub>1</sub>]
- 3 List Seven Quality Management Principles according to ISO 9000, ISO9001 Quality Management Standards CO<sub>2</sub> [K<sub>1</sub>]
- 4 Explain Project Environment System CO<sub>1</sub> [K<sub>2</sub>]
- 5 Define Product and Process Quality CO<sub>1</sub> [K<sub>1</sub>]
- 6 Define Total Quality Management System (TQM) CO<sub>3</sub> [K<sub>1</sub>]
- 7 List when to use the PDCA cycle CO<sub>3</sub> [K<sub>1</sub>]
- 8 Explain the Design process in Six Sigma CO<sub>1</sub> [K<sub>2</sub>]
- 9 Define fundamentals of quality assurance CO<sub>1</sub> [K<sub>1</sub>]
- 10 Define what is Khaizen CO<sub>3</sub> [K<sub>1</sub>]
- 11 Define what is Quality Audit CO<sub>1</sub> [K<sub>1</sub>]

**Part – C (4Q x 15 Mark = 60 marks)**

- 12 a) Select the 7 basic Quality tools for process improvement CO1 [K3]
- (OR)
- 12 b) Examine Deming's 14 Points on Quality Management or the Deming Model of Quality Management. CO3 [K4]
- 13 a) Examine How to do Cost Benefit Analysis and How it is important CO4 [K4]
- (OR)
- 13 b) Dissect PDCA Cycle And How To Use It In Project Management? CO3 [K4]
- 14 a) Explain Value Engineering for Projects CO1 [K5]
- (OR)
- 14 b) Explain Six Sigma Methodologies CO1 [K5]
- 15 a) Examine Problems associated with TQM deployment., CO3 [K4]
- (OR)
- 15 b) Explain Traditional tools – Scatter Diagram, Checklists, Cause and Effect Diagram, Flow Charts, Histogram, Control Charts CO5 [K5]

\*\*\*\*\*