

BE Semester- VIII Mechanical Question Bank

Quality Engineering

All questions carry equal marks (10 marks)

Q.1	What do you mean by quality? Do you think it is important aspect in business organization?
Q.2	Explain Fishbone diagram with example.
Q.3	Explain the basic concept of ISO 9000 certification. What are the advantages and implementation barriers of the same?
Q.4	What is TPM? Explain the objectives and benefits of implementing TPM in an industry.
Q.5	What do you mean by TQM? How will you achieve TQM?
Q.6	Discuss '5 S' practices of Japanese.
Q.7	Explain quality control circle.
Q.8	Discuss the concept of cost of quality.
Q.9	Total quality concept
Q.10	Explain : 7 QC tools
Q.11	Write Short Note on : ISO 9000 & QS 9000
Q.12	Eliminating defect by Poka-Yoka.
Q.13	Briefly explain the concepts of Lean and Agile Manufacturing. Discuss the advantages offered by these systems to the industries.
Q.14	Define Quality and Enlist cost of quality.
Q.15	Discuss 5 S for housekeeping and its role in quality control
Q.16	Describe the following problem solving techniques with suitable Examples: 1. Pareto diagram 2. Cause and Effect diagram
Q.17	Explain Internal failure cost with reference to cost of quality.
Q.18	Explain the principles of Total Quality Management (TQM) and also mention various benefits of implementing TQM in an organization.
Q.19	Explain statistical process control.
Q.20	Discuss various SPC tools.
Q.21	Discuss Taguchi approach for design of experiments.
Q.22	What is value engineering? Discuss its usefulness in industry.
Q.23	Write Short note on - Concept of six sigma
Q.24	Discuss - Business process reengineering
Q.25	What is Design of Experiments (DOE)? What are the components and benefits of DOE?
Q.26	Write Short note on - Just In Time
Q.27	Write Short note on - Concurrent engineering
Q.28	Write Short note on - Bench marking
Q.29	Explain 100 % inspection
Q.30	What is kaizen? How will you carry out Kaizen in organization?
Q.31	What is QFD? What are benefit and difficulties associated with QFD?
Q.32	Write short note on "Total Productive Maintenance".
Q.33	"Is TQM is choice or necessary" Discuss it.
Q.34	Discuss methodology to implement to QFD.
Q.35	Write principles of TQM by Deming
Q.36	Discuss different dimensions of quality.
Q.37	Define quality control. How does it differ from quality assurance?
Q.38	Explain different tools and techniques for quality improvement.
Q.39	Write principles of TQM by Juran.
Q.40	Explain the concept of Quality Circles. List the prerequisites of forming a Quality Circle. List advantages and drawbacks of Quality Circles.