

ASSIGNMENT: 1 IRODUCTION

1. Define the term quality with detail concepts,(at least five definition).
2. Dimension of quality.
3. Write down the contributes of different quality gurus.
 - A. Dr. W. E. Deming
 - B. Dr. Joseph Juran
 - C. Ishikawa

ASSIGNMENT: 2 QUALITY ENGINEERING AND MANAGEMENT TOOLS, TECHNIQUES & STANDARD

1. Discuss the 7 QC tool in detail with suitable diagram and also discuss significance.
2. What are the seven new quality management tool.
3. Write a short-note on following.
 - A. 5S technique for quality control.
 - B. Ki-zen
 - C. Poka-yoke
 - D. Quality circle.
4. Write a short-note on following.
 - A. ISO-9000
 - B. ISO-14000
 - C. QS-9000
5. Discuss about Malcolm baldrige national quality award. what are its criteria for performance excellence.
6. Discuss about deming prize with its criteria.
7. Write a short note on national quality award.
8. Properties of the cutting fluids.
9. Types of cutting fluids.
10. Method of application of cutting fluids.

ASSIGNMENT: 3 TOTAL QUALITY MANAGEMENT

1. Discuss the philosophy of TQM.
2. Discuss different approaches of TQM by manufacturing guru's.
3. Discuss the TQM barriers for implementation.

ASSIGNMENT: 4 DESIGNING FOR QUALITY

1. Concept of concurrent engineering with its application.
2. Write a short-note on quality function deployment, justify that it is a planning tool.
3. Draw house of quality structure and its elements.
4. Short-note on FMEA.



ASSIGNMENT: 5 INTROCTION OF DESIGN OF EXPERIMENTS

1. What is design of experiments with structure?
2. Method of DOE.
3. Discuss the Taguchi philosophy.
4. Explain step in experimental design.



**ASSIGNMENT: 6 CONTEMPORARY TRENDS IN QUALITY
ENGINEERING & MANAGEMENT**

1. Write a short-note on following.
 - A. Just in Time.
 - B. Lean Manufacturing.
 - C. Agile Manufacturing.
 - D. Total Productive Maintenance.
 - E. Bench marking.
 - F. Six-sigma.

ASSIGNMENT: 7 QUALITY IN SERVICE SECTORS

1. What do you understand by service at least one different service sector.
2. Discuss the characteristics of quality in service sector.
3. Which quality measures are adopted in health sector.
4. Which quality measures are adopted in education sector.