

SRM VALLIAMMAI ENGINEERING COLLEGE

(An Autonomous Institution)

SRM Nagar, Kattankulathur – 603 203

DEPARTMENT OF MANAGEMENT STUDIES

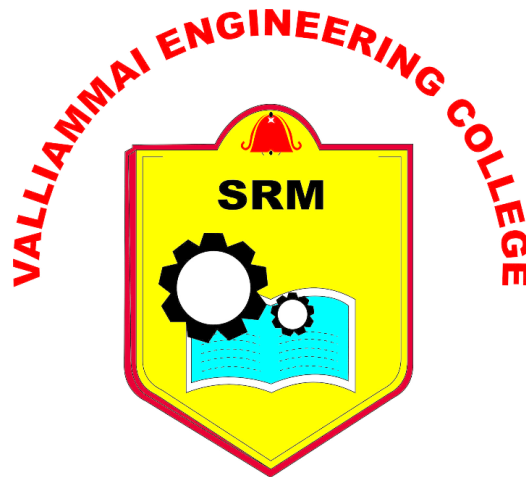
QUESTION BANK

I SEMESTER

1915106 - TOTAL QUALITY MANAGEMENT

Regulation – 2019

Academic Year 2022 – 2023



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SUBJECT : 1915106 – TOTAL QUALITY MANAGEMENT

SEM / YEAR : I Semester / I Year

UNIT – I – INTRODUCTION

TQM definition, Framework, Benefits, awareness and obstacles, Quality – vision, mission and policy statements. Customer Focus – customer perception of quality, Translating needs into requirements, customer retention. Dimensions of product and service quality. Cost of quality.

PART- A

S. No.	QUESTIONS	BT LEVEL	COMPETENCE
1	Define Quality.	Level 1	Remembering
2	Compare Dimensions of product and service quality.	Level 2	Understanding
3	Identify the equation that would quantify quality?	Level 3	Applying
4	Classify the characteristics of quality.	Level 1	Remembering
5	Discuss the duties of quality council.	Level 2	Understanding
6	Interpret the essential steps of quality planning?	Level 3	Applying
7	Define Vision & Mission.	Level 1	Remembering
8	Compare appraisal and failure costs.	Level 2	Understanding
9	Define Return on Quality (ROQ).	Level 3	Applying
10	What conclusion can you draw on the limitations of TQM?	Level 1	Remembering
11	How is Customer retention focused in TQM?	Level 2	Understanding
12	Infer the meaning of Customer Retention.	Level 3	Applying
13	Define TQM.	Level 1	Remembering
14	Compare the different costs of quality.	Level 2	Understanding
15	How would you show your understanding on the benefits of TQM?	Level 3	Applying
16	Summarize the need for Customer Focus.	Level 1	Remembering
17	Explain KANO Model.	Level 2	Understanding

18	Define the term 'Quality Cost'.	Level 3	Applying
19	Outline the elements of customer service.	Level 1	Remembering
20	Record the characteristics of Quality Vision statement.	Level 2	Understanding
21	Identify the six basic concepts of TQM.	Level 3	Applying
22	Define Continuous Improvement.	Level 1	Remembering
23	Compare Reliability and Durability.	Level 2	Understanding
24	Identify the costs associated with preventing recurring defects.	Level 3	Applying

PART- B

S. No.	QUESTIONS	BT LEVEL	COMPETENCE
1	How would you explain the TQM framework and its benefits?	Level 1	Remembering
2	How would you summarize TQM Principles?	Level 2	Understanding
3	(i) Sketch the Customer satisfaction Organizational Diagram and Explain. (6)	Level 3	Applying
	(ii) How do the customers perceive Quality? Discuss them in detail. (7)		
4	How would you classify the dimensions of Quality and its relevance in Productivity Efficiency?	Level 2	Analysing
5	Categorize the various factors to assess customer perception on Quality.	Level 3	Evaluating
6.	(i) Justify the components of Quality policy Statements. (6)	Level 6	Creating
	(ii) Write down the importance of Quality policy statements with example. (7)		
7	Examine the term Service Quality, its characteristics and Expectations.	Level 3	Remembering
8	Summarize the various dimensions of Product and Service Quality. Also comment on the following statement "Service Quality is more difficult to define than Product Quality".	Level 1	Understanding
9	Determine a Quality plan for activities to be carried out by managers in recent times highlighting the current trends.	Level 2	Applying
10	Find out the various components of cost of quality with the interrelationship among them in minimizing the total cost of quality.	Level 3	Analysing
11	Examine the formulation of Vision, Mission and Quality Policy statements of a Manufacturing Organization.	Level 1	Remembering
12	Describe the concept cost of quality in detail.	Level 2	Understanding

13	Conclude your understanding about the 5 perspectives of quality by Garvin.	Level 3	Analysing
14	Examine how to overcome the TQM implementation obstacles. Discuss any eight points.	Level 1	Remembering
15	Examine the various cost of internal and external failures.	Level 3	Applying
16	What is optimum cost of performance? Explain the various applications of quality costs.	Level 1	Remembering
17	Outline the potential benefits of TQM.	Level 2	Understanding

PART - C

S. No.	QUESTIONS	BT LEVEL	COMPETENCE
1	Enumerate the cost of quality and discuss in detail with respect to the service based industry	Level 4	Analysing
2	How will you improve customer focus in Indian industries? Draw the customer satisfaction organizational diagram and explain	Level 5	Evaluating
3	Name four ways that a college business school student could apply quality management principles at the personal level. Give example of data that could be collected in this effort.	Level 6	Creating
4	Discuss how a fast food restaurant could measure its quality effectiveness using each of the following definitions of quality: product – based, user-based, value-based, and manufacturing-based.	Level 4	Analysing
5	Explain about the common ways to collect customer needs.	Level 4	Analysing

UNIT – II – PRINCIPLES AND PHILOSOPHIES OF QUALITY MANAGEMENT

Overview of the contributions of Deming, Juran Crosby, Masaaki Imai, Feigenbaum, Ishikawa, Continuous Improvement- Kaizen, Concepts of Quality circle, Japanese 5S principles and 8D methodology.

PART- A

S. No.	QUESTIONS	BT LEVEL	COMPETENCE
1	Define brainstorming.	Level 1	Remembering
2	Summarize the concept of loss function in Quality Management.	Level 2	Understanding
3	Identify the concept Taguchi define Quality.	Level 3	Applying
4	Classify the four parts of Deming wheel.	Level 1	Remembering
5	List the importance of A.V.Feigenbaum's Cycle time reduction methodology.	Level 2	Understanding
6	How would you show your understanding the benefits of Ishikawa Diagram?	Level 3	Applying
7	Interpret the objectives of Quality circles.	Level 1	Remembering
8	What is continuous process improvement?	Level 2	Understanding
9	Outline the importance of Signal to Noise Ratio.	Level 3	Applying
10	How would you show your understanding on the on the Juran's quality planning?	Level 1	Remembering
11	Define companywide Quality.	Level 2	Understanding
12	How would show your understanding of PDCA Cycle?	Level 3	Applying
13	Describe Deming Cycle.	Level 1	Remembering
14	Explain about Quality Circle.	Level 2	Understanding
15	Classify any four principles of TQM.	Level 3	Applying
16	List the aspects of Juran Triology.	Level 1	Remembering
17	Interpret the importance of Crosby's contention that Quality is free.	Level 2	Understanding
18	What is 8D methodology?	Level 3	Applying
19	Compare Kaizen and Kairyō.	Level 1	Remembering
20	Define 5S.	Level 2	Understanding
21	Identify the stages in 'Three Role Model'.	Level 3	Applying

22	Define 'Vaccine' in Crosby style.	Level 1	Remembering
23	Compare System design stage and Parameter design stage.	Level 2	Understanding
24	Outline the concept 'Hidden Plant'.	Level 3	Applying

PART- B			
S. No.	QUESTIONS	BT LEVEL	COMPETENCE
1	Enumerate in detail about Deming's Philosophy.	Level 1	Remembering
2	Explain the concept of continuous improvement by TQM.	Level 2	Understanding
3	Illustrate the contribution of Ishikawa and Masaaki Imai's towards quality with suitable example?	Level 3	Applying
4	Explain the Juran Trilogy covering planning, control and improvement in detail. Why is it considered as one of the best approaches?	Level 1	Remembering
5	Conclude on what is TQM and explain the 10 steps of Juran's quality improvement.	Level 2	Understanding
6.	Validate the contributions of Deming's, Juran's and Crosby's for the Quality Movement.	Level 3	Applying
7	(i) What are the objectives and characteristics of quality circles? (6)	Level 3	Applying
	(ii) Find the role of various members in the structure of quality Circles & list out its benefits. (7)		
8	Generalize the 10 steps of Juran's quality improvement	Level 1	Remembering
9	How would you show your understanding on the essentials PDCA Cycle?	Level 2	Understanding
10	Point out the concepts of Quality Circle in detail.	Level 3	Applying
11	(i) How would you describe kaizen model? (6)	Level 3	Applying
	(ii) List out the merits of Kaizen model? (7)		
12	Can you briefly explain the steps for problem solving in Quality Circle.	Level 1	Remembering
13	(i) Examine the process of 5S in detail. (6)	Level 3	Applying
	(ii) What are the factors required for the implementation of 5S principle? (7)		
14	(i) List out all the disciplines of 8D methodology. (6)	Level 2	Understanding

	(ii) List some benefits of using '8D' methodology for problem solving.	(7)		
15	Examine the Feigenbaum's contributions.		Level 1	Remembering
16	What are the crucial elements of Total Quality? Explain.		Level 2	Understanding
17	Outline the company wide quality benefits.		Level 3	Applying

PART - C

S. No.	QUESTIONS	BT LEVEL	COMPETENCE
1	Discuss in detail about the Japanese 5S principles and 8D Methodology.	Level 4	Analysing
2	Explain the Japanese 8D Methodology.	Level 5	Evaluating
3	Do you think Crosby's preaching's are relevant today in the present context at India? Justify.	Level 6	Creating
4	Cite atleast three organizational activities that can be categorized under management processes that comprise Juran's quality trilogy.	Level 4	Analysing
5	Frame guidelines / recommendations for a QC being implemented successfully.	Level 4	Analysing

UNIT – III – STATISTICAL PROCESS CONTROL

Meaning and significance of statistical process control (SPC) – construction of control charts for variables and attributes. Process capability – meaning, significance and measurement – Six sigma - concepts of process capability. Reliability concepts – definitions, reliability in series and parallel, product life characteristics curve. Total productive maintenance (TMP), Tero Technology. Business process Improvement (BPI) – principles, applications, reengineering process, benefits and limitations. Waste Control

PART- A

S. No.	QUESTIONS	BT LEVEL	COMPETENCE
1	What is Reliability management?	Level 1	Remembering
2	Summarize the evolution of six sigma in Motorola company	Level 2	Understanding
3	Write the features of Activity network diagram.	Level 3	Applying
4	List the contribution of Statistical Process Control to Quality.	Level 1	Remembering
5	Can you assess the importance of TPM?	Level 2	Understanding
6	What is the difference between control limits with specification limits?	Level 3	Applying
7	What is Process capability Index?	Level 1	Remembering
8	How the upper and lower capability indices are fixed?	Level 2	Understanding
9	Name some new management tools.	Level 3	Applying
10	What are the factors that distinguish six sigma concepts from traditional quality management concepts?	Level 1	Remembering
11	Discuss the six big losses that are to be eliminated by TPM.	Level 2	Understanding
12	What is your opinion of Terotechnology?	Level 3	Applying
13	What is the significance of SPC?	Level 1	Remembering
14	Outline the scope of business Process Improvement Principle.	Level 2	Understanding
15	How would you show your understanding on Business Process Engineering?	Level 3	Applying
16	Can you make a distinction between failure mode and failure effects?	Level 1	Remembering
17	What is Six Sigma?	Level 2	Understanding
18	What is the significance of waste control?	Level 3	Applying
19	Define Business process improvement	Level 1	Remembering

20	Can you list the any application of BPR in Quality?	Level 2	Understanding
21	Identify the three measures of central tendency.	Level 3	Applying
22	Define Gaussian Curve.	Level 1	Remembering
23	Compare Sample and Sampling.	Level 2	Understanding
24	Outline the 'bathtub' curve.	Level 3	Applying

PART- B

S. No.	QUESTIONS	BT LEVEL	COMPETENCE											
1	What is Control Chart? Explain its need and types.	Level 1	Remembering											
2	Describe Product Life characteristics Curve and its Functional impact.	Level 2	Understanding											
3	(i) Review the concept Six Sigma in detail.	(6)	Applying											
	(ii) How is a Six Sigma Programme implemented in an organization? Discuss the Steps involved in DMAIC & DMADV.	(7)												
4	Light bulbs are tested for their Luminance, with the intensity of brightness desired to be within a certain range. Random samples of 5 Bulbs are chosen from the output and their luminance values measured the sample mean (\bar{X}) and the standard deviation S are found. After 30 samples, the following summary information is obtained. $\sum_{i=1}^{30} X_i = 2550$ $\sum_{i=1}^{30} S_i = 195$ the specifications are 90 ± 15 lumens. a) Find the Control limits for the \bar{X} and S charts. b) Assuming that the process is in control, estimate the process mean and process Standard Deviation.	Level 1	Remembering											
5	Summarize the choice of control charts.	Level 2	Understanding											
6.	Generalize the benefits and limitation of Reengineering Process.	Level 3	Applying											
7	What are the steps in implementing TPM?	Level 1	Remembering											
8	Explain about six major losses which influence the OEE. Also explain the methodology for computing OEE.	Level 1	Remembering											
9	In a casting process, the results of the inspection of 10 lots of 125 items each are given in the following table: <table border="1" style="margin-left: 20px;"> <tr> <td>S. No.</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> </tr> </table>	S. No.	1	2	3	4	5	6	7	8	9	10	Level 2	Understanding
S. No.	1	2	3	4	5	6	7	8	9	10				

	<table border="1"> <tr> <td>No. of Defectives</td> <td>3</td> <td>8</td> <td>9</td> <td>10</td> <td>4</td> <td>6</td> <td>9</td> <td>5</td> <td>6</td> <td>8</td> </tr> </table> <p>Compute trial control limits, plot appropriate chart and draw the conclusion.</p>	No. of Defectives	3	8	9	10	4	6	9	5	6	8													
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10	<p>In an injection moulding process, the results of the inspection of 10 lots of 100 items each are given in the following table:</p> <table border="1"> <tr> <td>S. No.</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> </tr> <tr> <td>No. of Defectives</td> <td>13</td> <td>3</td> <td>9</td> <td>4</td> <td>10</td> <td>6</td> <td>7</td> <td>15</td> <td>4</td> <td>2</td> </tr> </table> <p>Compute trial control limits, plot appropriate chart and draw the conclusion.</p>	S. No.	1	2	3	4	5	6	7	8	9	10	No. of Defectives	13	3	9	4	10	6	7	15	4	2	Level 1	Remembering
S. No.	1	2	3	4	5	6	7	8	9	10															
No. of Defectives	13	3	9	4	10	6	7	15	4	2															
11	<p>For the system shown in the figure 1, determine the system reliability for 2000 hour of operation, and find the MTTF. Assume that all 3 components have an identical time-to – failure distribution that all 3 components have an identical time to failure distribution that is exponential, with a constant failure distribution that is exponential, with a constant failure rate of 0.0005/hr. what is the MTTF of each component? If it is desired for the system to have a MTTF of 4000 hour, what should be the MTTF for each component?</p> <div style="text-align: center;"> </div> <p>Figure 1: Systems with components in Parallel</p>	Level 2	Understanding																						
12	<p>(i) Explain in detail the series and parallel reliability models and the implications for product design.</p> <p>(ii) A product is made up of components a,b,c,d,e,f,g,h,i and j. components a,b,c and f have a 1/10,000 chance of failure during useful life. d,e,g and h have a 3/10,000 chance of failure. Component I and j have a 5/10,000 chance of failure. What is the overall reliability of the product?</p>	(5) (8)	Level 2 Understanding																						
13	Outline the principles and applications of Business Process Improvement BPI.	Level 1	Remembering																						
14	<p>(i) List the purpose of 'p-chart'. Inspection was carried out on 15 samples with sample size 25. Two samples had no defects, four samples had each one defect five samples had each two defects, and remaining four samples had each three defects. Determine the limits and centre line of p-chart.</p> <p>(ii) What is the use of process capability indices? Give any two process capability indices.</p>	(8) (5)	Level 2 Understanding																						
15	Examine about the product life characteristics curve.	Level 1	Remembering																						
16	What are the benefits of TPM? Explain its outcome.	Level 2	Understanding																						

17	Outline the assignable causes of variation.		Level 3	Applying
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PART - C

S. No.	QUESTIONS	BT LEVEL	COMPETENCE																																										
1	Develop house of quality for designing a mobile phone.	Level 4	Analysing																																										
2	<p>In a capability study of a machine used for grinding a shaft to a diameter of 23.75 ± 0.1 mm of five consecutive pieces has been taken for Seven Days. The diameters of these shafts are as given below:</p> <table border="1"> <thead> <tr> <th>I</th> <th>II</th> <th>III</th> <th>IV</th> <th>V</th> <th>VI</th> <th>VII</th> </tr> </thead> <tbody> <tr> <td>23.80</td> <td>23.78</td> <td>23.78</td> <td>23.78</td> <td>23.76</td> <td>23.76</td> <td>23.78</td> </tr> <tr> <td>23.76</td> <td>23.81</td> <td>23.80</td> <td>23.76</td> <td>23.82</td> <td>23.74</td> <td>23.81</td> </tr> <tr> <td>23.77</td> <td>23.76</td> <td>23.77</td> <td>23.75</td> <td>23.79</td> <td>23.78</td> <td>23.80</td> </tr> <tr> <td>23.73</td> <td>23.76</td> <td>23.77</td> <td>23.77</td> <td>23.74</td> <td>23.76</td> <td>23.70</td> </tr> <tr> <td>23.78</td> <td>23.75</td> <td>23.77</td> <td>23.78</td> <td>23.79</td> <td>23.73</td> <td>23.76</td> </tr> </tbody> </table> <p>Construct the X bar and R Chart and comment the process.</p>	I	II	III	IV	V	VI	VII	23.80	23.78	23.78	23.78	23.76	23.76	23.78	23.76	23.81	23.80	23.76	23.82	23.74	23.81	23.77	23.76	23.77	23.75	23.79	23.78	23.80	23.73	23.76	23.77	23.77	23.74	23.76	23.70	23.78	23.75	23.77	23.78	23.79	23.73	23.76	Level 5	Evaluating
I	II	III	IV	V	VI	VII																																							
23.80	23.78	23.78	23.78	23.76	23.76	23.78																																							
23.76	23.81	23.80	23.76	23.82	23.74	23.81																																							
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23.78	23.75	23.77	23.78	23.79	23.73	23.76																																							
3	Explain the steps by steps process used for implemented BPR in the manufacturing organizations.	Level 6	Creating																																										
4	Write the step by step procedure to develop a TPM programme in an organization	Level 4	Analysing																																										
5	Write about 'Terotechnology' and its applications.	Level 4	Analysing																																										

UNIT – IV – TOOLS AND TECHNIQUES FOR QUALITY MANAGEMENT

Quality functions development (QFD) – Benefits, Voice of customer, information organization, House of quality (HOQ), building a HOQ, QFD process. Failure mode effect analysis (FMEA) –FMEA stages, design, process and documentation. Seven Tools (old & new). Bench marking and POKAYOKE-Hoshin Planning.

PART- A

S. No.	QUESTIONS	BT LEVEL	COMPETENCE
1	Define Quality Function Deployment.	Level 1	Remembering
2	What are the objectives of QFD?	Level 2	Understanding
3	Identify the six sections of a basic house of quality matrix.	Level 3	Applying
4	What are the various types of FMEA Process?	Level 1	Remembering
5	What do you critically determining the number of Express Failure Mode?	Level 2	Understanding
6	Evaluate risk priority numbers.	Level 3	Applying
7	Expand FMEA.	Level 1	Remembering
8	Summarize the uses of Bench marking	Level 2	Understanding
9	Classify the seven tools of quality control.	Level 3	Applying
10	What are the types of check sheets commonly used?	Level 1	Remembering
11	Why do you think matrix diagram is essential?	Level 2	Understanding
12	Compare benchmark and Pokayoke.	Level 3	Applying
13	What is Benchmarking?	Level 1	Remembering
14	Outline the sources of Benchmarking.	Level 2	Understanding
15	Identify the benefits of pokayoke.	Level 3	Applying
16	Analyse when relationship diagram is used ?	Level 1	Remembering
17	Define POKA YOKE.	Level 2	Understanding
18	Will you state the four tools of quality?	Level 3	Applying
19	What is matrix data analysis diagram?	Level 1	Remembering
20	What is Flow Chart?	Level 2	Understanding
21	Identify the examples of potential failure modes.	Level 3	Applying
22	Define Trade-off Matrix.	Level 1	Remembering

23	Compare Process planning and Production planning.	Level 2	Understanding
24	Outline the users of QFD.	Level 3	Applying

PART- B			
S. No.	QUESTIONS	BT LEVEL	COMPETENCE
1	What are the types of customer information? How is it collected? How it is used in QFD?	Level 1	Remembering
2	Describe features of QFD.	Level 2	Understanding
3	How would you show your understanding of FMEA? Explain its procedure for automotive organization	Level 3	Applying
4	(i) Illustrate the features of FMEA?	(6)	Level 4 Analysing
	(ii) Enumerate the role of FMEA in TQM. Also highlight the scales used in FMEA.	(7)	
5	Evaluate the process of QFD.	Level 1	Remembering
6.	Plan and discuss about the Construction the House of Quality.	Level 2	Understanding
7	Describe in detail about the seven tools of Quality management .	Level 3	Applying
8	Explain the seven steps in Hoshin Planning.	Level 1	Remembering
9	“Creative solutions will emerge only from seven new management tools” Discuss.	Level 2	Understanding
10	Examine the significance of Hoshin planning system.	Level 3	Applying
11	How would you describe scatter diagram? Outline the steps used to construct.	Level 1	Remembering
12	(i) Explain the reasons for Benchmarking?	(6)	Level 2 Understanding
	(ii) Interpret the term “POKA YOKE”. Discuss its applications.	(7)	
13	Categorize the Benchmarking process with an illustration.	Level 1	Remembering
14	Compare prevention based Pokayoke and Detection- based pokayoke.	Level 2	Understanding
15	Examine the FMEA document preparation with example.	Level 3	Applying

16	What are the four phases of product development in QFD process? Explain.	Level 1	Remembering
17	Outline the benefits of QFD as communication and planning tool.	Level 2	Understanding

PART - C

S. No.	QUESTIONS	BT LEVEL	COMPETENCE
1	A coffee shop owner gets sudden increase in complaints about poor quality apply cause and effect diagram to this situation	Level 4	Analysing
2	Explain the application of FEMA in Snack Industry.	Level 5	Evaluating
3	“create solutions will emerge only from seven new management tool- discuss	Level 6	Creating
4	Discuss with an example the stages in building the House of Quality.	Level 4	Analysing
5	Construct the house of quality for the following products. First list the customer requirements. Then identify the corresponding technical features of the product and develop the various correlations. i) Bicycle ii) Toy	Level 4	Analysing

UNIT – V – QUALITY SYSTEMS ORGANIZING AND IMPLEMENTATION

Introduction to IS/ISO 9004:2018 – quality management systems – guidelines for performance improvements. Environmental Management system, ISO 14000, Quality Audits. TQM culture, Leadership – quality council, employee involvement, motivation, empowerment, recognition and reward. International/National Quality Awards

PART- A

S. No.	QUESTIONS	BT LEVEL	COMPETENCE
1	Explain ISO.	Level 1	Remembering
2	What is the function of ISO 9004?	Level 2	Understanding
3	Classify the objectives of ISO 9004 Quality System Standards.	Level 3	Applying
4	Outline the need for ISO 9004.	Level 1	Remembering
5	Elaborate quality system requirements	Level 2	Understanding
6	Interpret the necessity for Documentation	Level 3	Applying
7	What is quality audit on the basis of area of coverage?	Level 1	Remembering
8	What is quality audit?	Level 2	Understanding
9	Identify the stages of Quality Audit.	Level 3	Applying
10	What is Quality Council?	Level 1	Remembering
11	What are the important aspects of employee involvement?	Level 2	Understanding
12	What is your opinion on the indicators of Poor Motivation level among the Employees?	Level 3	Applying
13	Define empowerment.	Level 1	Remembering
14	What do you understand by the term Reward?	Level 2	Understanding
15	What other way would you plan satisfy your employees?	Level 3	Applying
16	List any two TQM award and name any two Motivation Theory.	Level 1	Remembering
17	Identify the main idea of TQM leadership	Level 2	Understanding

18	What are the obstacles to frame with TQM framework?	Level 3	Applying
19	What is self actualization?	Level 1	Remembering
20	Define the term 'IMTE' in Quality aspects.	Level 2	Understanding
21	What is document control?	Level 3	Applying
22	Identify the examples of ISO 9004:1987.	Level 1	Remembering
23	Define Vocabulary in ISO series.	Level 2	Understanding
24	Compare Contractual situation and Non contractual situations.	Level 3	Applying

PART- B			
S. No.	QUESTIONS	BT LEVEL	COMPETENCE
1	(i) State the benefits of ISO 2018 Certification?	(8)	Level 1 Remembering
	(ii) What is ISO 9004? State its significance?	(5)	
2	Demonstrate the various stages of Quality Auditing.	Level 2	Understanding
3	Summarize the necessity, required documents and benefits of documentation of quality system.	Level 3	Applying
4	Analyze the implementation aspects of ISO 14000.	Level 4	Analysing
5	How would you show your understanding of various principles of leadership?	(6)	Level 5 Evaluating
	Also highlight what leadership style is most appropriate in a total quality setting and why?	(7)	
6	How would you summarize the characteristics of quality leaders?	Level 1	Remembering
7	Examine the need for QMS and steps to implementation of Quality System.	Level 2	Understanding
8	What is the need for quality council? Discuss its function.	Level 3	Applying
9	Discuss the responsibilities of the quality council coordinator? Explain the quality structure in detail	Level 1	Remembering
10	What is meant by employee involvement? Explain its benefits.	Level 2	Understanding
11	Explain the various motivational theory of individual employee in detail.	Level 3	Applying
12	Describe the implementation of Quality Audit in a Textile Industry.	Level 1	Remembering

13	How is recognition and reward related to employee involvement?	Level 2	Understanding
14	Elaborate some national & International Quality Awards.	Level 3	Applying
15	Explain the reasons for implementing a quality system that conforms to an ISO standard.	Level 1	Remembering
16	Explain the documentation pyramid and its benefits.	Level 2	Understanding
17	Identify the TQM Axioms and fundamental characteristics.	Level 3	Applying

PART - C

S. No.	QUESTIONS	BT LEVEL	COMPETENCE
1	Describe the concept of Environmental Management System.	Level 4	Analysing
2	Explain the steps followed to get ISO 9000 certification for an IT industry	Level 5	Evaluating
3	'Top management commitment (leadership)' drives all other key success factors of TQM. Do you agree with the statement? Justify your answer quoting examples from Indian industry	Level 6	Creating
4	Describe the characteristics of successful teams. Use a real time illustration.	Level 4	Analysing
5	Analyse the different ways to recognize people.	Level 4	Analysing