



B.E/B.TECH DEGREE EXAMINATIONS: APRIL/ MAY 2024

(Regulation 2018)

Sixth Semester

AUTOMOBILE ENGINEERING

U18AUT6004: Total Quality Management and Project Management

COURSE OUTCOMES

- CO1:** Relate quality concepts and philosophies of TQM
CO2: Apply TQM tools as a means to improve quality
CO3: Select the lean six sigma tools for improving the productivity
CO4: Categorize the structure of the organization
CO5: Identify competency in project planning, scheduling, and related activities
CO6: Develop network models and analyze the cost accounting

Time: Three Hours

Maximum Marks: 100

Answer all the Questions: -

PART A (10 x 2 = 20 Marks)

(Answer not more than 40 words)

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|--|-----|-------------------|
| 1. Spell out any Four of Deming's Principles | CO1 | [K ₂] |
| 2. List down the steps towards the concept "5S". | CO1 | [K ₂] |
| 3. Draw the structure of House of Quality with its elements | CO2 | [K ₂] |
| 4. Infer about the concept 'Bench Marking'. | CO2 | [K ₂] |
| 5. List down the benefits of ISO 9000 standards | CO3 | [K ₂] |
| 6. Spell out the types of Quality Audits. | CO3 | [K ₂] |
| 7. Infer about the term "Turnkey Projects Contracts". | CO4 | [K ₂] |
| 8. Differentiate between WBS and OBS – breakdown structures | CO4 | [K ₂] |
| 9. Spell out the importance of the need of updating of network | CO5 | [K ₂] |
| 10. Discuss about the Enterprise-wide Project management | CO6 | [K ₂] |

Answer any FIVE Questions: -

PART B (5 x 16 = 80 Marks)

(Answer not more than 400 words)

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|---|---|-----|-------------------|
| 11. a) Classify and discuss in detail about different types of quality cost | 8 | CO1 | [K ₃] |
| b) Discuss about the barriers to the implementation of TQM | 8 | CO1 | [K ₃] |

12.	a)	Organize and discuss the Seven Tools of Quality	16	CO2	[K ₃]
13.	a)	Illustrate the steps in registration – Implementation of Quality System	16	CO3	[K ₃]
14.	a)	Explain the Four Stages of Project Formulation.	8	CO4	[K ₃]
	b)	List down and discuss about various type of Projects and its significances	8	CO4	[K ₃]
15.	a)	Discuss the various terminologies used with PERT and CPM	8	CO5	[K ₃]
	b)	List down the Essentials of a good project information system	8	CO6	[K ₃]
16.	a)	Explain Line of Balancing [LOB] Technique with any one of the charts	8	CO5	[K ₃]
	b)	Explain about Components of Capital Cost of a project	8	CO6	[K ₃]
