



M.TECH END SEMESTER EXAMINATIONS: APRIL / MAY 2024

(Regulation 2018)

Second Semester

MASTER OF TECHNOLOGY MANAGEMENT

P18TMT2106: Project Management

COURSE OUTCOMES

CO1: Explain the knowledge areas of project management

CO2: Apply tools and techniques of project management to monitor and control projects

CO3: Construct a project schedule and estimate cost using MS Project software

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

- | | | | |
|----|--|---|-------------------|
| 1. | Project Management involves: | CO1 | [K ₁] |
| | a Planning and controlling resources for successful project completion | b Irregularly assigning tasks to team members | |
| | c Ignoring stakeholder expectations | d Decreasing project scope | |
| 2. | Which of the following is a part of Project Time Management? | CO3 | [K ₁] |
| | a Stakeholder Analysis | b Quality Assurance | |
| | c Network Models | d Risk Mitigation | |
| 3. | What does the Project Quality Management process include? | CO2 | [K ₁] |
| | a Cost Estimates | b Managing Stakeholders | |
| | c Quality Assurance | d Scope Creep | |
| 4. | What is the primary responsibility of a Project Manager? | CO1 | [K ₁] |
| | a Minimize Communication | b Avoid Conflict Resolution | |
| | c Achieve Project Objectives | d Pass on Decision Making | |
| 5. | Which document defines the high-level scope of a project? | CO2 | [K ₁] |
| | a Project Charter | b WBS Dictionary | |
| | c Resource Breakdown Structure | d Risk Register | |
| 6. | In Project Human Resource Management, what does "Develop Team" involve? | CO2 | [K ₁] |
| | a Considering Alternatives | b Building Relationships | |
| | c Estimating Durations | d Updating Risk Register | |
| 7. | What does Project Procurement Management focus on? | CO3 | [K ₁] |
| | a Managing Team Dynamics | b Supplier Relationships | |
| | c Quality Metrics | d Change Requests | |
| 8. | Which of the following is a tool used in Project Communication Management? | CO3 | [K ₂] |

- | | | | | | |
|-----|--|---|-------------------------|-----|-------------------|
| a | SWOT Analysis | b | RACI Matrix | | |
| c | Root Cause Analysis | d | Control Charts | | |
| 9. | Project Risk Management aims to: | | | CO3 | [K ₁] |
| a | Eliminate All Risks | b | Procure Resources | | |
| c | Avoid Stakeholder Involvement | d | Develop a Risk Register | | |
| 10. | What is the key outcome of effective Project Stakeholder Management? | | | CO3 | [K ₂] |
| a | Increased Project Costs | b | Stakeholder Conflicts | | |
| c | Stakeholder Satisfaction | d | Schedule Delays | | |

PART B (10 x 2 = 20 Marks)

- | | | | |
|-----|--|-----|-------------------|
| 11. | Describe the role of a Project Manager in ensuring project success. | CO1 | [K ₂] |
| 12. | Explain the importance of Project Charter in project initiation. | CO1 | [K ₂] |
| 13. | Differentiate between Project Human Resource Management and Project Procurement Management | CO3 | [K ₂] |
| 14. | Discuss the significance of risk management in project planning. | CO2 | [K ₂] |
| 15. | How does Project Communication Management contribute to project success? | CO3 | [K ₂] |
| 16. | Define Earned Value Management and its benefits in project monitoring. | CO2 | [K ₂] |
| 17. | Outline the process of Quality Assurance in Project Quality Management. | CO2 | [K ₁] |
| 18. | Illustrate the concept of Project Scope Management with examples. | CO1 | [K ₄] |
| 19. | Explain how team dynamics influence project outcomes. | CO1 | [K ₂] |
| 20. | Describe the importance of stakeholder engagement in project delivery. | CO2 | [K ₂] |

PART C (6 x 5 = 30 Marks)

- | | | | |
|-----|---|-----|-------------------|
| 21. | Identify and elaborate on three key elements of effective project scheduling. | CO1 | [K ₂] |
| 22. | Discuss the impact of organizational culture on project management practices. | CO2 | [K ₃] |
| 23. | Explain the significance of stakeholder analysis in project planning and execution. | CO2 | [K ₂] |
| 24. | Outline the steps involved in developing a Risk Management Plan. | CO2 | [K ₂] |
| 25. | Evaluate the role of project team collaboration in achieving project milestones. | CO1 | [K ₅] |
| 26. | Elaborate on the benefits of utilizing MS Project software in project management. | CO3 | [K ₆] |

Answer any FOUR Questions

PART D (4 x 10 = 40 Marks)

- | | | | |
|-----|---|-----|-------------------|
| 27. | Critically analyze the relationship between Project Management Office (PMO) and project success, providing real-world examples. | CO1 | [K ₄] |
| 28. | Assess the challenges of managing project stakeholders in diverse organizational cultures, suggesting strategies for effective stakeholder engagement. | CO2 | [K ₅] |
| 29. | Compare and contrast the Project Life Cycle with the Product Life Cycle, highlighting their distinct features and relevance in project management. | CO2 | [K ₄] |
| 30. | Develop a comprehensive project plan for implementing a new organizational process, considering stakeholder management, risk assessment, and resource allocation. | CO2 | [K ₃] |
| 31. | Illustrate all the 5 levels in project management. List and assess the relevance of 10 key knowledge areas in effective implementation of Project Management. | CO1 | [K ₂] |
