PLANIT TEACHERS

Student Name: _____	Class: _____
Student ID: _____	Date: _____

Assessment Details

Duration: 2-3 hours	**Total Marks:** 150
Topics Covered:	• Project Management Principles • Project Components • Critical Thinking • Communication Strategies

Instructions to Students:

1. Read all questions carefully before attempting.
2. Show all working out - marks are awarded for method.
3. Calculator use is permitted except where stated otherwise.
4. Write your answers in the spaces provided.
5. If you need more space, use the additional pages at the end.
6. Time management is crucial - allocate approximately 1 minute per mark.

Section A: Multiple Choice [10 marks]

Question 1 [2 marks]

What is the primary goal of project management?

A) To complete the project on time	B) To complete the project within budget
C) To meet the project's stakeholders' expectations	D) To ensure the project's quality

Question 2 [2 marks]

Which of the following is a key component of project management?

A) Human Resources	B) Financial Management
C) Risk Management	D) All of the above

Question 3 [8 marks]

Describe the importance of communication in project management.

Question 4 [6 marks]

Explain the concept of critical thinking in project management.

Question 5 [15 marks]

Read the following case study and answer the questions that follow:

A company is planning to launch a new product. The project manager has identified the following components: market research, product design, production, and marketing. Evaluate the relevance of each component to the overall objective of launching the new product.

a) Analyze the market research component [3 marks]

b) Evaluate the product design component [4 marks]

c) Discuss the production component [4 marks]

d) Examine the marketing component [4 marks]

Question 6 [20 marks]

Discuss the role of critical thinking in project management. Provide examples of how critical thinking can be applied in a project.

Question 7 [40 marks]

Develop a project proposal for a new business venture. The proposal should include the following components: executive summary, project scope, project schedule, budget, and communication plan.

Section F: Presentation [30 marks]

Question 8   [30 marks]

Present the project proposal to the class. The presentation should include visual aids and should be 10-15 minutes long.

Project Planning and Scheduling

Project planning and scheduling are crucial components of project management. They involve defining the project scope, setting goals and objectives, and creating a detailed schedule and budget. Effective planning and scheduling help ensure that the project is completed on time, within budget, and to the required quality standards.

Example: Gantt Chart

A Gantt chart is a type of bar chart that illustrates a project schedule. It shows the start and finish dates of each task and the relationships between them. Gantt charts are useful for planning and tracking project progress.

Case Study: Agile Project Management

Agile project management is an iterative and incremental approach to project management. It involves breaking down the project into small, manageable chunks, and delivering each chunk in a short iteration. Agile project management is useful for projects with uncertain or changing requirements.

Project Risk Management

Project risk management involves identifying, assessing, and mitigating risks that could impact the project. It includes developing a risk management plan, identifying and analyzing risks, and implementing risk mitigation strategies. Effective risk management helps minimize the impact of risks on the project.

Example: Risk Matrix

A risk matrix is a tool used to assess and prioritize risks. It involves plotting the likelihood and impact of each risk on a matrix, and prioritizing risks based on their score. The risk matrix helps project managers focus on the most critical risks.

Case Study: Risk Management in Construction Projects

Construction projects are prone to risks such as delays, cost overruns, and accidents. Effective risk management is critical to minimizing the impact of these risks. This case study examines the risk management strategies used in a construction project and their effectiveness.

Project Quality Management

Project quality management involves ensuring that the project meets the required quality standards. It includes developing a quality management plan, establishing quality metrics, and implementing quality control processes. Effective quality management helps ensure that the project deliverables meet the customer's expectations.

Example: Quality Control Checklist

A quality control checklist is a tool used to ensure that the project deliverables meet the required quality standards. It involves creating a checklist of quality metrics and verifying that each metric is met. The quality control checklist helps project managers ensure that the project deliverables are of high quality.

Case Study: Quality Management in Software Development

Software development projects require high-quality deliverables to ensure customer satisfaction. This case study examines the quality management strategies used in a software development project and their effectiveness.

Project Resource Management

Project resource management involves planning, organizing, and controlling resources to achieve project objectives. It includes developing a resource management plan, estimating resource requirements, and allocating resources to tasks. Effective resource management helps ensure that the project is completed on time and within budget.

Example: Resource Allocation Matrix

A resource allocation matrix is a tool used to allocate resources to tasks. It involves creating a matrix of resources and tasks, and allocating each resource to the tasks that require it. The resource allocation matrix helps project managers ensure that resources are allocated efficiently.

Case Study: Resource Management in Manufacturing Projects

Manufacturing projects require effective resource management to ensure that production is completed on time and within budget. This case study examines the resource management strategies used in a manufacturing project and their effectiveness.

Project Communication Management

Project communication management involves planning, implementing, and controlling communications to stakeholders. It includes developing a communication management plan, identifying stakeholders, and creating a communication strategy. Effective communication management helps ensure that stakeholders are informed and engaged throughout the project.

Example: Communication Plan

A communication plan is a document that outlines the communication strategy for the project. It includes the communication objectives, stakeholders, messages, channels, and frequency of communication. The communication plan helps project managers ensure that stakeholders are informed and engaged.

Case Study: Communication Management in IT Projects

IT projects require effective communication management to ensure that stakeholders are informed and engaged. This case study examines the communication management strategies used in an IT project and their effectiveness.

Project Monitoring and Control

Project monitoring and control involve tracking, reviewing, and controlling project progress to ensure that it is completed on time, within budget, and to the required quality standards. It includes developing a monitoring and control plan, establishing metrics, and implementing control processes. Effective monitoring and control help project managers identify and correct deviations from the

project plan.

Example: Project Dashboard

A project dashboard is a tool used to track project progress. It involves creating a dashboard of metrics and tracking progress against the project plan. The project dashboard helps project managers identify deviations from the project plan and take corrective action.

Case Study: Monitoring and Control in Construction Projects

Construction projects require effective monitoring and control to ensure that they are completed on time and within budget. This case study examines the monitoring and control strategies used in a construction project and their effectiveness.

Project Closure

Project closure involves formalizing the completion of the project and documenting lessons learned. It includes developing a closure plan, obtaining formal acceptance, and documenting lessons learned. Effective project closure helps project managers evaluate the project's success and identify areas for improvement.

Example: Project Closure Report

A project closure report is a document that summarizes the project's outcome and documents lessons learned. It involves creating a report that includes the project's objectives, outcomes, and lessons learned. The project closure report helps project managers evaluate the project's success and identify areas for improvement.

Case Study: Project Closure in Software Development

Software development projects require effective project closure to ensure that the project is formally completed and lessons learned are documented. This case study examines the project closure strategies used in a software development project and their effectiveness.

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Project Management Assessment

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Section C: Case Study [30 marks]

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