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# QUESTION BANK PROJECT MANAGEMENT

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Electronics and Communication Engineering Department



## QUESTION BANK

Subject: Project Management

Subject Code: BTEC-505-18

Teacher: Dr.Raju Sharma

Semester: 5<sup>th</sup>

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### **UNIT - I: PROJECT MANAGEMENT CONCEPTS**

#### **2 Marks Questions**

1. Define a Project.
2. What are the attributes of a project?
3. List the phases of the project life cycle.
4. What is Project Management?
5. Define Global Project Management.
6. Mention two benefits of Project Management.
7. What is Needs Identification in a project?
8. Define Project Constraints.
9. What is the difference between a project and an operation?
10. List two examples of real-world projects.

#### **4 Marks Questions**

1. Explain the Project Life Cycle with a diagram.
2. Differentiate between Project and Program Management.
3. What are the benefits of Project Management?
4. Explain the role of a project manager.
5. Discuss the importance of needs identification in project selection.
6. What is the Project Management Process?
7. Explain different types of project constraints.
8. What are the challenges in Global Project Management?
9. Describe the impact of poor project planning.

10. What are the key success factors for project management?

### 8 Marks Questions

1. Explain the Project Life Cycle in detail with an example.
  2. Discuss various attributes of a project with real-life examples.
  3. What are the challenges and benefits of Global Project Management?
  4. Explain the Project Management Process with a detailed flowchart.
  5. Discuss the importance of needs identification in project selection.
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## UNIT - II: Project Selection and Organization

### 2 Marks Questions

1. What is Project Selection?
2. Define Request for Proposal (RFP).
3. What is Pure Project Organization?
4. What is the Functional Organization Structure?
5. Define Matrix Organization.
6. What is Project Solicitation?
7. What is a Mixed Organizational System?
8. List any two factors affecting project selection.
9. What is the role of project stakeholders?
10. Differentiate between functional and matrix organizations.

### 4 Marks Questions

1. Explain the steps in Project Selection.
2. Discuss the importance of RFP in project management.
3. Compare Functional and Project-based Organization.
4. Explain Matrix Organization with its advantages and disadvantages.
5. What are the different methods of soliciting proposals?
6. Discuss the Project as part of Functional Organization.
7. How do mixed organizational structures work?

8. What are the key components of a Request for Proposal (RFP)?
9. Explain Pure Project Organization and its benefits.
10. What is the role of a Project Sponsor in project selection?

### **8 Marks Questions**

1. Explain the Project Selection Process in detail.
2. Discuss different types of Project Organizations with examples.
3. Explain the importance of RFP and the process of preparing it.
4. Compare Functional, Pure Project, and Matrix Organizations with advantages and disadvantages.
5. Explain how organizational structure affects project execution.

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## **UNIT - III: PROJECT PLANNING AND SCHEDULING**

### **2 Marks Questions**

1. What is Project Planning?
2. Define Work Breakdown Structure (WBS).
3. What is Project Scheduling?
4. Define Bar Charts in project scheduling.
5. What is Line of Balance (LOB)?
6. Define Crashing in project management.
7. What is Resource Allocation?
8. What is the Critical Path in CPM?
9. Differentiate between PERT and CPM.
10. What is Resource Sharing?

### **4 Marks Questions**

1. Explain the Work Breakdown Structure (WBS) with an example.
2. Discuss the importance of project execution plans.
3. Explain Bar Charts and their significance in project scheduling.

4. Compare CPM and PERT techniques in project management.
5. What is Crashing in project management? Explain with an example.
6. Discuss Network Techniques (PERT/CPM) in project scheduling.
7. Explain Resource Allocation and its challenges.
8. Discuss the concept of Project Procedure Manual.
9. What are the advantages of using project scheduling techniques?
10. What is the impact of resource sharing on project performance?

### 8 Marks Questions

1. Explain Project Planning and Scheduling in detail.
2. What is PERT and CPM? Explain with numerical examples.
3. Discuss the importance of Work Breakdown Structure (WBS) in project management.
4. Explain the process of Resource Allocation and Scheduling.
5. Write short notes on:
  - a) Bar Charts
  - b) Line of Balance (LOB)
  - c) Project Execution Plan

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## UNIT - IV: Project Monitoring, Control, and Performance

### 2 Marks Questions

1. What is Project Monitoring?
2. Define Project Performance Indicators.
3. What is Project Scope Control?
4. Define Performance Control.
5. What is Schedule Control?
6. What is Cost Control in Project Management?
7. Define Project Audit.
8. What is PMIS (Project Management Information System)?

9. Define Life Cycle Responsibilities of a Project Manager.
10. What is Project Coordination?

#### 4 Marks Questions

1. Explain Project Monitoring and Control.
2. Discuss the importance of Project Audits.
3. What are the key performance indicators in project management?
4. Explain the Role of Project Manager in Cost Control.
5. How does Project Scope Control affect project success?
6. Explain PMIS and its components.
7. What is Project Life Cycle Evaluation?
8. How does Schedule Control impact project success?
9. Discuss Performance Control in project management.
10. Explain the importance of Project Coordination.

#### 8 Marks Questions

1. Explain the importance of Monitoring and Control in Project Management.
2. Discuss Project Auditing and its impact on project performance.
3. Explain PMIS (Project Management Information System) and its significance.
4. Discuss various cost control techniques used in projects.
5. Explain the Life Cycle Responsibilities of a Project Manager.

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### **NUMERICAL PROBLEMS**

#### 1. Network Diagram (PERT/CPM Calculation)

- Calculate **Critical Path and Total Project Duration** using CPM for a given network diagram.

#### 2. Crashing Problem

- A project activity **takes 6 weeks normally but can be crashed to 4 weeks with an extra cost of ₹5,000**. Determine whether **crashing is beneficial**.

### 3. Resource Allocation Problem

- A project has **5 tasks with different resource constraints**. Allocate resources optimally.