

BTINOE604A: Project Engineering & Management

UNIT-1: Introduction to Project Management.

1. Discuss in brief the role of management in project execution.
2. Explain Project Planning.
3. Define Project Management and enlist objectives of Project Management.
4. Explain the process of Organization?
5. Explain stages of Project Management.
6. Explain Project Scheduling.
7. Explain Project Controlling
8. Write a short note on Bar Charts.

UNIT-2 :Work Definition.

1. Explain objectives of method study and work measurement.
2. Explain Time Estimation method.
3. What are the Requirements for effective Budgeting?
4. Explain Project risk Management.
5. Explain different type of costs.
6. Write a short note on Work Study.
7. Write a short note on Time Study.
8. Explain components of Capital Cost of a project.

UNIT-3: Project Scheduling and Planning Tools.

1. Explain Work Breakdown structure
2. Explain Gantt charts.
3. Explain three time estimates in PERT.
4. Explain Critical Path Method.
5. How does PERT differ from CPM Network.
6. Explain different types of floats.
7. Compare Gantt charts with CPM Network.
8. What is AOA Network and AON Network? Explain with suitable examples.
9. Describe the different types of activities in a Network and explain the use of dummy activity.

UNIT-4: Developing Project Plan.

1. Explain Project cash flow analysis.
2. Explain Resource Allocation
3. Explain Resource Levelling.
4. Explain Time Cost Trade off.
5. Explain Crashing Heuristic.
6. Explain Normal time and Crash time.
7. Write a short note on Histogram.

8. Write a short note on Resource Smoothing.

UNIT-5: Project Implementation.

1. Explain Microsoft Project Management Software.
2. Explain Primavera Project Management Software
3. Explain Project Contracts.
4. Explain Project procurement Management.
5. Write a short note on Non-turnkey Contracts.
6. Write a short note on Turnkey Contracts.

UNIT-6: Post-Project Analysis.

1. Explain Objectives of Project Audit.
2. Explain Phases of Project Audit.
3. Explain Types of Project Audit.