

Anna University Important Questions

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CE6005 CONSTRUCTION PLANNING AND SCHEDULING

Unit I

1. Explain the project development process?
2. Explain the main causes of project failure.
3. Explain the roles of a project manager in detail.
4. Explain the codification approach.
5. Explain the main causes of project failure.

Unit II

1. Explain the critical path method with example.
2. Write the steps for resource leveling and resource allocation.
3. Explain the classification of scheduling.
4. a) Discuss the difference between CPM and PERT. b) Briefly discuss the three time estimate in PERT network analysis
5. What are the various costs involved in a construction project? Explain Briefly.
6. A small project consists of six activities with following information. Draw the network and obtain normal and minimum project duration.

Activity	Normal durations (days)	Crash duration (days)	crash cost (Rs./day)
1-2	09	06	20
1-3	08	05	25
1-4	15	10	30
2-4	05	03	10
3-4	10	06	15
4-5	02	01	40

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7. Determine the critical path and estimate the minimum project duration for the project data given below.

Activity	To	tm	tp
A	3	4	5
B	2	3	5
C	6	8	10
D	5	7	8
E	6	9	14
F	10	12	14
G	2	2	4
H	4	5	8
I	4	6	8

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### Unit III

1. Explain the forecasting for activity cost control.
2. Explain the project budget procedure and cost control problems.
3. Write short note on (i) Control of project cash flow (ii) Compare financial accounting and cost accounting.
4. What are the various costs involved in a construction project? Explain.
5. What are the objectives of cost control? Explain.

### Unit IV

1. Explain total quality control in construction.
2. Write note on (i) Safety in construction (ii) Organizing for quality and safety.
3. Explain the quality control statistical methods.
4. What are the causes of accidents? Explain about human factors which cause accidents.
5. Explain the applicability of different types of control charts in statistical quality control.

### Unit V

1. Explain the computerized organization and use of information.
2. Write short note on (i) Relational model of database (ii) conceptual models of database
3. What are the functions of project management information systems? Explain.
4. Explain in detail about the various sets of information collected in regard to construction project management.