

L1B
30/5/13 FN

Reg. No. :

Question Paper Code : 21213

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2013.

Sixth Semester

Civil Engineering

CE 2353/CE 63/10111 CE 604 – CONSTRUCTION PLANNING AND
SCHEDULING

(Common to PTCE 2353 – Construction Planning and Scheduling for
B.E. (Part-Time) Fourth Semester – Civil Engineering – Regulation 2009)

(Regulation 2008/2010)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is the difference between time oriented scheduling and resource oriented scheduling?
2. What is the significance of coding systems?
3. What are characteristics of an dummy activity?
4. Define time/cost trade off.
5. Define project budget.
6. Differentiate financial accounting and managerial accounting.
7. Define quality circle.
8. Explain producer's risk and consumer's risk.
9. What is unorganized information?
10. What is object oriented data representation?

PART B — (5 × 16 = 80 marks)

11. (a) Explain in detail about the estimation of activity durations and importance of learning curve.

Or

- (b) Write short notes on :

- (i) Choice of construction technology. (8)
- (ii) Choice of construction method. (8)

12. (a) For the data given below of a construction project schedule determine the critical path and all floats

Activity	A	B	C	D	E	F	G
Predecessors	-	-	A, B	C	C	D	D, E
Durations	3	5	4	6	3	2	4

Or

- (b) In a project consisting of two activities each activity has a duration of 5 days. Activities 1 and 2 has a start to start precedencce relationship with 2 days lead, calculate the project duration. If activities 1 and 2 have finish to finish constraint with a 2 days lag what is the project duration?

13. (a) Explain the elements of job status report.

Or

- (b) Explain the different components of accounting system.

14. (a) Explain statistical quality control with sampling by variables.

Or

- (b) Explain causes of accidents and safety concepts.

15. (a) What are different types of project informations and explain them.

Or

- (b) Explain Database Management Systems.