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Question Paper Code : 50213

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2017
Sixth Semester
Civil Engineering
CE 6005 – CONSTRUCTION PLANNING AND SCHEDULING
(Regulations 2013)

Time : Three Hours

Maximum : 100 Marks

Answer ALL questions.

PART – A

(10×2=20 Marks)

1. List out the significance of coding systems.
2. Write any two objectives of construction project planning.
3. List out the factors affecting scheduling.
4. Define the terms LFT and LST.
5. List out the sources of cash inflow and cash outflow.
6. What are the components of cash flow statement?
7. Summarize the sampling by variables.
8. Mention the steps to be carried out for conducting the safety audit.
9. List the types of project information in respect of a construction project.
10. Mention any two advantages of centralized database management systems over stand alone systems.



PART – B

(5×16=80 Marks)

11. a) i) Describe in detail the relationship between choice of technology and construction method and the project time frame and budget limitations. (10)
- ii) Explain how precedence relationships among activities are defined. (6)

(OR)

- b) Demonstrate the precedence definition for site preparation and foundation work. (16)

12. a) The network of a building project consist of 10 activities is given in Fig. 12 a. The normal durations required to perform various activities of the project is given the Table 1. Compute i) activity times, ii) total float and iii) Also determine the critical path. (16)

Table 1

Activity	A	B	C	D	E	F	G	H	I	J
Estimated Duration	5	2	6	4	4	2	3	8	7	2

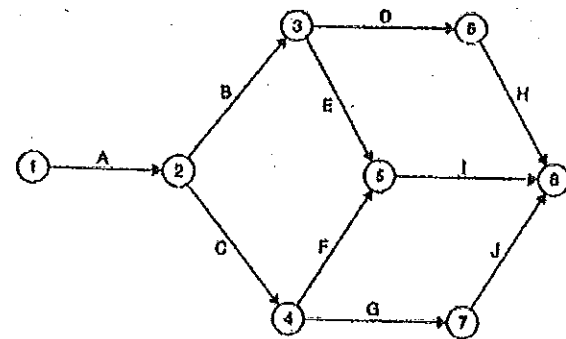


Fig. 12 a

(OR)

- b) i) Differentiate between CPM and PERT. (8)
- ii) Describe the various methods of presenting project schedule. (8)

13. a) Discuss how the cost control is followed for a construction project in detail with the stages involved. (16)

(OR)

- b) What is meant by Cost Forecasting? Describe the Forecasting for activity cost control. (16)



14. a) Discuss the importance and organizing of quality and safety in construction. (16)
- (OR)

- b) Describe the total quality management and collect the details about the statistical quality control with sampling by attributes. (16)

15. a) Illustrate a frame based data storage hierarchy system adopted in construction industry. (16)

(OR)

- b) Explain the information transfer and flow in organizing project information. (16)