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Question Paper Code : 91268

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2019

Sixth Semester

Civil Engineering

CE 6005 - CONSTRUCTION PLANNING AND SCHEDULING

(Regulations 2013)

(Common to PTCE 6005 - Construction Planning and Scheduling for
B.E. (Part-Time) - Fifth Semester - Civil Engineering - Regulations 2014)

Time : Three Hours

Maximum : 100 Marks

Answer ALL the questions.

PART - A

(10×2=20 Marks)

1. Define work task and activity.
2. What is construction planning ?
3. What is the objective of scheduling ?
4. Define critical path.
5. What is meant by Cash Flow control ?
6. What is meant by budget ?
7. What are the types of statistical sampling ?
8. What are the standards measured in safety construction ?
9. What are types of project information ?
10. Define database in construction.

PART - B

(5×13=65 Marks)

11. a) Explain briefly the choice of construction technology and construction method.

(OR)

- b) Explain how precedence relationship among activities are defined.



12. a) Explain Critical path method with neat sketches.

(OR)

b) What is scheduling and advanced scheduling? Explain its concepts, advantages and disadvantages.

13. a) Explain forecasting for activity cost control.

(OR)

b) Discuss the concept applications and methods of project budget forecasting.

14. a) Explain Quality control and safety during construction.

(OR)

b) Brief the various statistical quality control methods in construction with their relative merits and demerits.

15. a) Explain how the information can be organized using computers.

(OR)

b) Describe project management information system with respect to construction industry.

PART - C

(1×15=15 Marks)

16. a) Discuss in detail the estimation of resources requirement for work activities.

(OR)

b) Write explanatory notes on project financial accounting system.