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**Question Paper Code : 51261**

**B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2016**

**Sixth Semester**

**Civil Engineering**

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

**(Common to PTCE 2353 – Construction, Planning and Scheduling, Fourth Semester Regulation)**

**(Regulations 2008/2010)**

**Time : Three Hours**

**Maximum : 100 Marks**

**Answer ALL questions.**

**PART – A (10 × 2 = 20 Marks)**

1. Define work task.
2. Define planning.
3. Define :
  - (a) Dummy activity
  - (b) Float
4. How do you crash an activity ?
5. Define project budget.
6. Differentiate financial accounting and managerial accounting.
7. What is meant by Arbitration ?
8. List the important items required to be inspected during construction.
9. Define relational database.
10. What are the advantages of centralised management system ?

**PART – B (5 × 16 = 80 Marks)**

11. (a) Explain, why the planning is necessary in construction. Describe various steps involved in a planning of a construction project.

**OR**

- (b) What are the various modern construction methods adopted for on-site and off site constructions ?

12. (a) Explain in detail about critical path scheduling with an example.

**OR**

- (b) Briefly explain about :

(i) Scheduling with uncertain durations

(ii) Resource oriented scheduling.

**(8 + 8)**

13. (a) (i) What is the procedure for Cost Optimization ?

**(8)**

(ii) Differentiate between variation of direct and indirect cost.

**(8)**

**OR**

- (b) Write brief note on :

(i) Cost control

**(8)**

(ii) Schedule control

**(8)**

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

**OR**

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

15. (a) Write in detail about DBMS.

**OR**

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