

**B.E/ B.Tech (Part Time) DEGREE ARREAR EXAMINATION, NOV/DEC 2013  
CIVIL ENGINEERING BRANCH (R2002)**

**VI SEMESTER**

**PTCE 065 CONSTRUCTION PROJECT MANAGEMENT**

**Time: Three Hours**

**Max Mark: 100 marks**

**Answer ALL questions  
PART-A (10x2=20 marks)**

1. What is feasibility report?
2. Write the importance of project formulation.
3. What is management of drafting?
4. List the functions of project engineering.
5. Write the objectives of project planning.
6. What is scheduling in project?
7. Distinguish between CPM and PERT.
8. What is float?
9. Write the advantages of scheduling in a construction project.
10. What is insurance in construction management?

**PART-B (5x16=80 marks)**

11. Write the importance in techno economic feasibility report. Write the stages in involved in the preparation of detailed project report.
  - 12.a) Explain the following:
    - (1). Planning of project engineering
    - (2). Organization level of project engineering
- (OR)**
- 12.b) Explain the features and advantages of value engineering in projects and explain the procedure with an example.
  - 13.a) Explain in detail about the programming methods in project planning. How do you overcome the problems of scheduling the projects?

**(OR)**

- 13.b) Explain the following:  
(1). Decision making in Project planning  
(2). Importance of fund flow statement.

- 14.a) The following table lists the jobs of a project with their time estimates:

Activity	to	tm	tp	(in Days)
1,2	3	6	15	
1,6	6	5	14	
2,3	6	12	30	
2,4	2	5	8	
3,5	5	11	17	
4,5	3	6	15	
6,7	3	9	27	
5,8	1	4	7	
7,8	4	19	28	

Draw the PERT network and determine the expected project completion time.

(OR)

- 14.b) Write the detailed procedure involved in critical path method and explain the other scheduling techniques.
- 15.a) Explain the various stages involved in materials management. How do you overcome the problems of improper materials management?

(OR)

- 15.b) Explain the following:  
(1). Supervision and its impact on productivity  
(2). Risk management