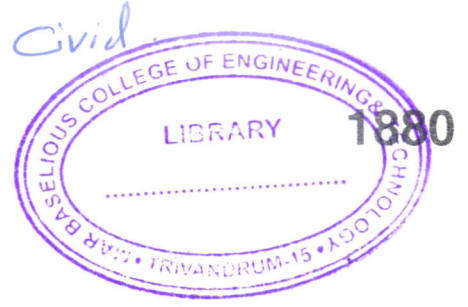




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Reg. No. :

Name :

**Eighth Semester B.Tech. Degree Examination, May 2013
(2008 Scheme)
08.805 : CONSTRUCTION MANAGEMENT (C)**

Time : 3 Hours

Max. Marks : 100

PART – A

1. "Management is a science and art". Comment on the statement.
2. What are the principles of scientific management advocated by F.W. Taylor ?
3. List the phases in the life cycle of a construction project.
4. Explain the different types of tenders.
5. What are Earnest Money Deposit and Security Deposit ? Why and when are they collected ?
6. What is the relevance of "qualification of contractors" ?
7. What is a material schedule and how it is prepared ?
8. Explain the concept of time-cost trade-off. **(8x5=40 Marks)**

**PART – B
Module – 1**

9. What are the avenues open for computer applications in construction management ?

OR

10. What are the different methods used in economic evaluation of projects ? Explain any two. **20**

P.T.O.



Module – 2

11. Explain in detail stages involved in awarding a public work to a contractor.

OR

12. What are the different types of contracts normally used in civil engineering works ?
Explain any four in detail.

20

Module – 3

13. a) What are the limitations of a Bar Chart ?

b) Draw the bar chart for the construction of a workshop of 5000 sq. ft. plinth area.

OR

14. The following table shows the jobs, normal time and cost, crash time and cost estimates for a project. Indirect cost in Rs. 300/- per day.

Job	Normal time (days)	Normal Cost (Rs.)	Crash time (days)	Crash cost (Rs.)
1 – 2	6	1400	4	1900
1 – 3	8	2000	5	2800
2 – 3	4	1100	2	1500
2 – 4	3	800	2	1400
3 – 4	dummy	–	–	–
3 – 5	6	900	3	1600
4 – 6	10	2500	6	3500
5 – 6	3	500	2	800

a) Draw the network of the project.

b) What is the normal cost and duration of the project ?

c) Find the optimum duration and minimum project cost.

20