



Reg. No. :

Name :

**Eighth Semester B.Tech. Degree Examination, October 2014
(2008 Scheme)
08.805 : CONSTRUCTION MANAGEMENT (C)**

Time : 3 Hours

Max. Marks : 100

PART – A

Answer all questions :

1. Mention the contributions of a few pioneers in scientific management.
2. What are the advantages of scientific management to society ?
3. Mention any four important types of contracts.
4. What is pre-qualification of contractors ?
5. What is liquidated damages ?
6. What is resource allocation ?
7. What are milestone charts ?
8. Briefly explain a labour schedule. (8×5=40 Marks)

PART – B

Module – 1

9. Discuss the applications of scientific management in construction industry.

OR

10. Explain in detail the phases involved in the life cycle of a construction project. 20

Module – 2

11. What are the common types of contracts in civil engineering works ? Explain any four.

OR

12. a) What are the causes of delays in projects ?
b) What are the causes of disputes in civil engineering works ? How are they settled ?

20

P.T.O.



Module – 3

13. The following table lists the activities and duration of a maintenance project.

Activity	1 – 2	1 – 3	1 – 4	2 – 5	3 – 6	3 – 7	4 – 7	5 – 8	6 – 8	7 – 9	8 – 9
Duration (months)	2	2	1	4	5	8	3	1	4	5	3

- Draw the project network
- Find the critical path and duration of the project
- Find the total float and free float of all activities.

OR

14. Find the optimum time and the corresponding cost for the data given below. Take the direct cost per day as Rs. 60/-

20

Activity	Precedence	Duration (days)		Cost (Rs.)	
		Normal	Crash	Normal	Crash
A	–	6	3	300	360
B	–	6	4	450	500
C	–	4	2	360	420
D	–	6	3	600	675
E	C	3	2	325	350
F	B, E	2	1	250	285
G	D, F	2	1	310	350