



Reg. No. :

Name :

**Eighth Semester B.Tech. Degree Examination, April/May 2012
(2008 Scheme)
08.805 : CONSTRUCTION MANAGEMENT (C)**

Time : 3 Hours

Max. Marks : 100

PART – A

1. What situations led to the genesis of scientific management ?
2. Who constitutes the construction team ? What are their duties and responsibilities ?
3. What is the need of a techno-economic feasibility study for projects ?
4. What are the details to be given in a notice inviting tenders ?
5. List the contract documents.
6. Differentiate between CPM and PERT ?
7. What are the limitations of Bar Charts ?
8. What is total float of an activity ? **(8×5=40 Marks)**

PART – B

Module – 1

9. What are the scientific management principles advocated by Henri Fayol ?

OR

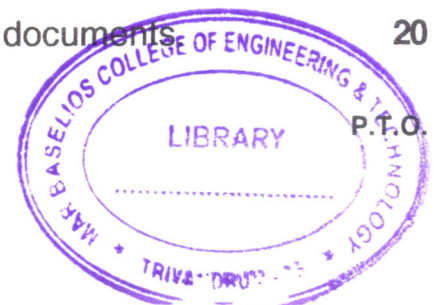
10. Explain the life cycle of a construction project. **20**

Module – 2

11. Explain the process of tendering starting from invitation of tenders to drawing up of contract documents.

OR

12. Explain any four important clauses included in contract documents. **20**





Module – 3

13. The following table shows the operations and time for installing a universal testing machine in the materials Testing Laboratory.

Particulars	Duration (days)
Machine foundation	12
Electric fitting	10
Erecting machine	12
Repairing the floor	8
Fixing the location	4
Clearance from electrical wiring	5
Sanction from authorities	6
Painting and whitewashing	10
Testing	5
Handing over the machine to operators	4

Arrange the operations in a logical order.

- a) Prepare a Bar Chart b) Determine the expected completion time.

OR

14. Draw the network and determine the critical path. Also find the total and free floats of activities.

Activity	A	B	C	D	E	F	G	H	I	J	K
Precedence	–	–	–	A	C	D	A,B,C	A,B,C	E	F, G	H, I, J
Duration (days)	4	5	6	4	4	4	8	3	3	6	5

20

