



Reg. No. :

Name :

**Eighth Semester B.Tech. Degree Examination, April 2016
(2008 Scheme)**

08.805 : CONSTRUCTION MANAGEMENT (C)

Time : 3 Hours

Max. Marks : 100

Instruction : Answer *all* questions from Part A and *one* question from *each* Module of Part B.

PART – A

1. What is management ? What are its objectives ?
2. Explain various resources for construction industry.
3. What is tender notice ? What is the information to be provided in tender notice ?
4. What is Muster Roll ? Describe briefly.
5. Differentiate EMD and Security Deposit.
6. What is bar chart ? How it is different from mile stone chart ?
7. Discuss about Fulkerson's rule for numbering the events.
8. What is slack in network scheduling and what is its significance ? **(8×5=40 Marks)**

PART – B

(Each question carries 20 marks.)

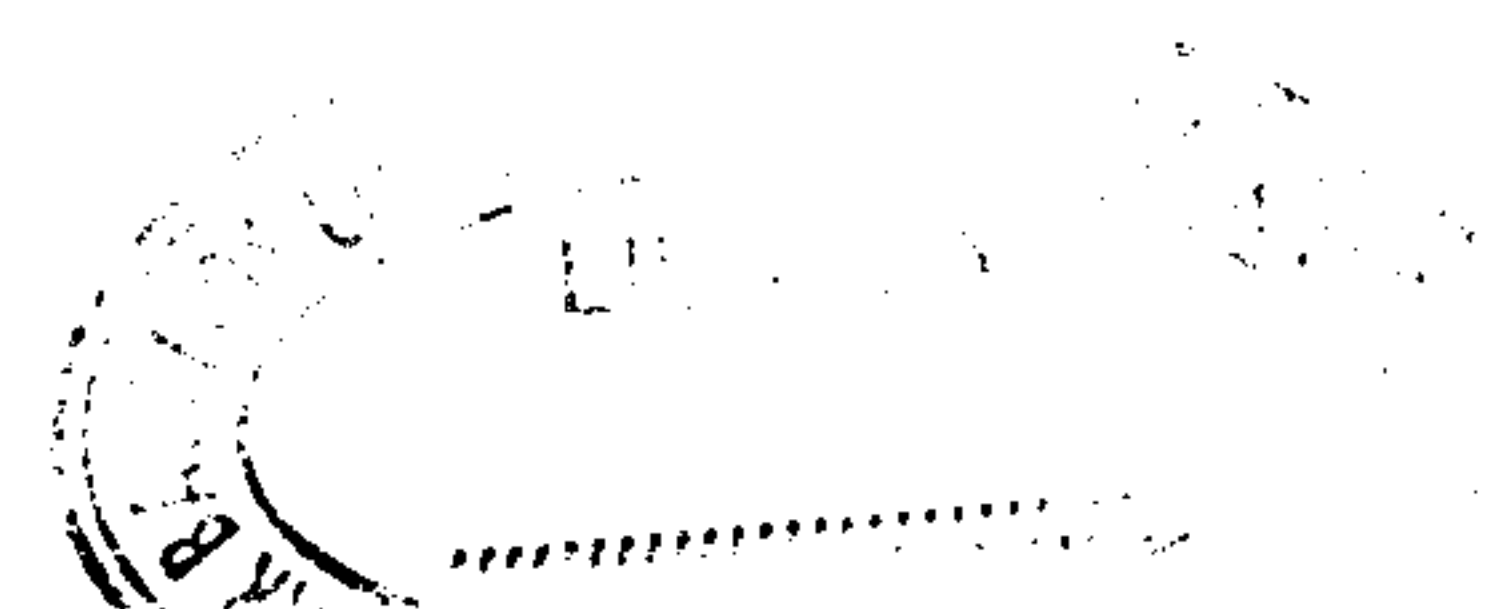
Module – 1

9. Discuss about the principles of management by Henry Fayol.

OR

10. What do you mean by techno-economic feasibility study ? What are the different methods ?

P.T.O.





Module - 2

11. Differentiate tender document and contract document in detail.

OR

12. Discuss about the different types of contracts.

Module - 3

13. The following table lists the activities, durations and their sequence of operation for a construction project. Draw the network, determine the total float and free float of all the activities and find out the critical path.

| Activity | 1-2 | 1-3 | 1-4 | 2-7 | 3-4 | 4-5 | 4-7 | 5-6 | 5-7 | 5-8 | 6-8 | 7-8 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Duration (days) | 8 | 10 | 5 | 6 | 3 | 7 | 0 | 4 | 3 | 6 | 5 | 5 |

OR

14. A project is composed of seven activities whose time estimates are given below.

a) Draw the project network and determine the critical path.

b) Determine the variance and standard deviation of the critical path.

| Activity | Expected Duration (Weeks) | | |
|----------|---------------------------|------------------|------------------|
| | Optimistic time | Most likely time | Pessimistic time |
| 1 - 2 | 1 | 1 | 7 |
| 1 - 3 | 1 | 4 | 7 |
| 1 - 4 | 2 | 2 | 8 |
| 2 - 5 | 1 | 1 | 1 |
| 3 - 5 | 2 | 5 | 14 |
| 4 - 6 | 2 | 5 | 8 |
| 5 - 6 | 3 | 6 | 15 |