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Reg. No. : .....

Name : .....



**Eighth Semester B.Tech. Degree Examination, October 2018  
(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. Discuss the classification of construction works.
2. Draw a general flow diagram for feasibility study of a project.
3. Discuss the methods of recording progress of work.
4. What is planning and why planning is very important in construction management ?
5. Write a note on Tender Document.
6. What is a Milestone chart ? How does it differ from a Bar Chart ?
7. Explain the importance of network analysis techniques for an effective project management.
8. Explain briefly the following terms :
  - a) Direct cost
  - b) Indirect cost
  - c) Normal duration
  - d) Cost slope
  - e) Crash duration.

**(8×5=40 Marks)**

**P.T.O.**



## PART – B

## Module – I

9. a) Enumerate stages of planning by different agencies. 12
- b) Sketch the format of M-book. How will you record measurements of supplies and works ? 8

OR

10. a) Explain the methods for exercising financial control in the execution of construction project. 12
- b) Explain in brief on rate of return. 8

## Module – II

11. a) Brief the penalties for Non-Compliance of contract agreement in the construction industry. 10
- b) Elaborate the process involved in sanctioning a contract. 10

OR

12. a) Discuss briefly about the tenders and the necessary information to be furnished in tender documents. 10
- b) What are the different types of Contract ? Explain the methods widely adopted in PWD. 10

## Module – III

13. a) The maintenance project of a building consists of 10 activities. The predecessor relationships are identified by their numbers as indicated below. Draw the network diagram for the project. 10

Activity	Identification	Activity	Identification
P	(1, 2)	U	(4, 5)
Q	(2, 3)	V	(4, 7)
R	(2, 4)	W	(5, 8)
S	(3, 6)	X	(6, 8)
T	(3, 5)	Y	(7, 8)



- b) Differentiate between CPM and PERT. 4
- c) What is Float ? What are the different types of Float ? Explain briefly. 6

OR

14. a) What is Critical Part ? How it is identified ? 2
- b) What are the advantages and disadvantages of network analysis over other techniques ? 4
- c) The following table gives the activities in a construction project and other relevant information :

Activity	1 – 2	1 – 3	2 – 3	2 – 4	3 – 4	4 – 5
Duration (days)	20	25	10	12	6	10

- i) Draw the network for the project. 3
- ii) Find the critical path. 3
- iii) Find free float, total float and independent float for each activity. 8

