

(Pages : 3)

H – 3264

Reg. No. : .....

Name : .....

**Eighth Semester B.Tech. Degree Examination, November 2019**

**08.805 : CONSTRUCTION MANAGEMENT (C)**

(2008 Scheme)

Time : 3 Hours

Max. Marks : 100

Instruction: Answer **all** questions from part A and **one** question from each module of part B .

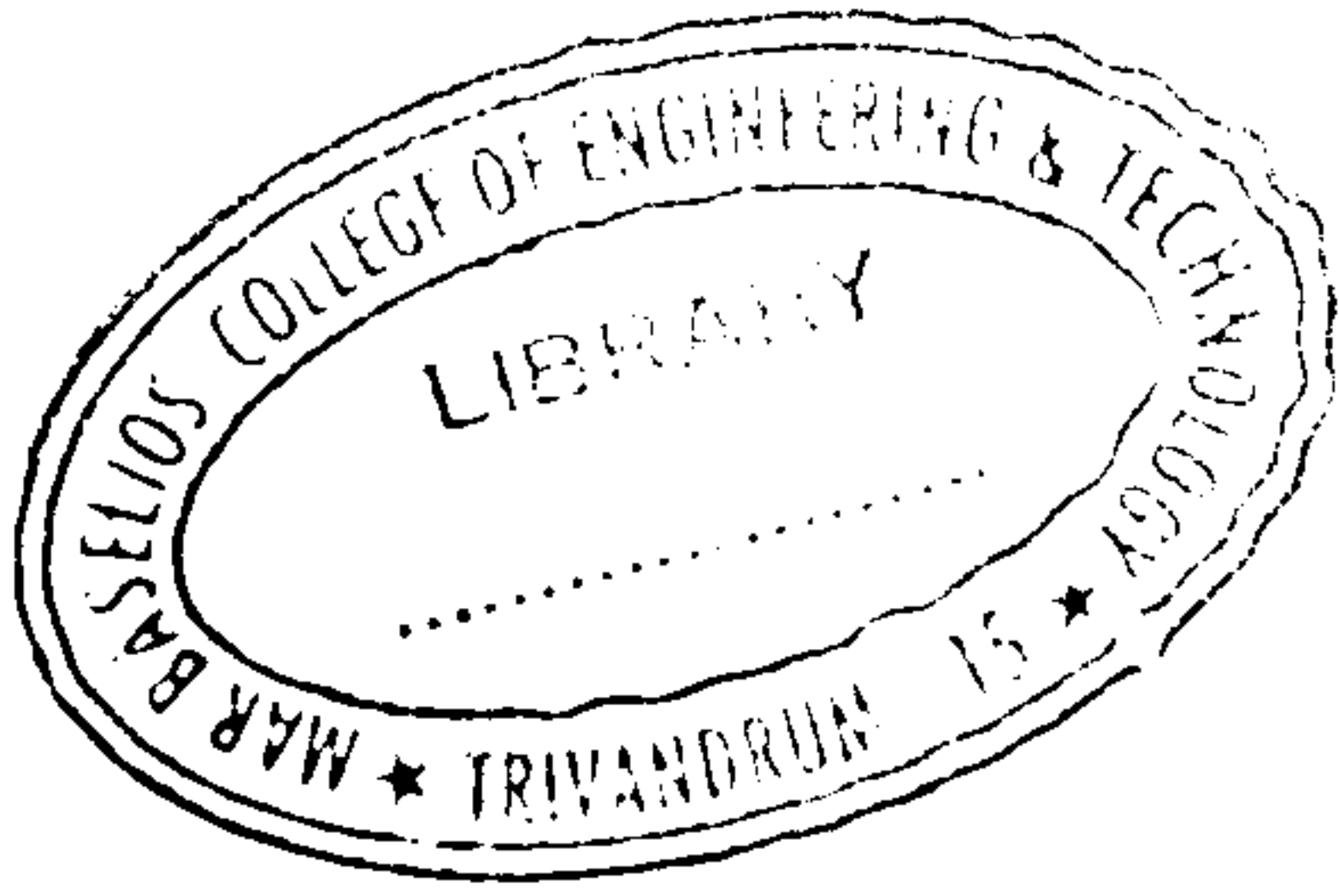
PART – A

1. What are the characteristics of management?
2. Briefly discuss how computers are applied in construction industry.
3. What are the roles and duties of an engineer in construction industry?
4. What is M-book? Discuss briefly.
5. List out the different types of contracts. Explain any two.
6. Define dummy activity. What are the uses of dummy activity?
7. Discuss about different types of events in network scheduling.
8. Differentiate direct and indirect cost.

(8 × 5 = 40 Marks)

P.T.O.





PART – B

Each full question carries **20** marks.

**Module – I**

9. What is scientific management? Discuss about Taylor's principles of scientific management.

OR

10. What are the stages involved in the feasibility study of a construction project?

**Module – II**

11. Discuss about the various steps involved in the tendering process.

OR

12. Describe the procedure for recording the progress of a construction work and how payments are made to the contractor.

**Module – III**

13. The details of a network are given below where the duration are in days:

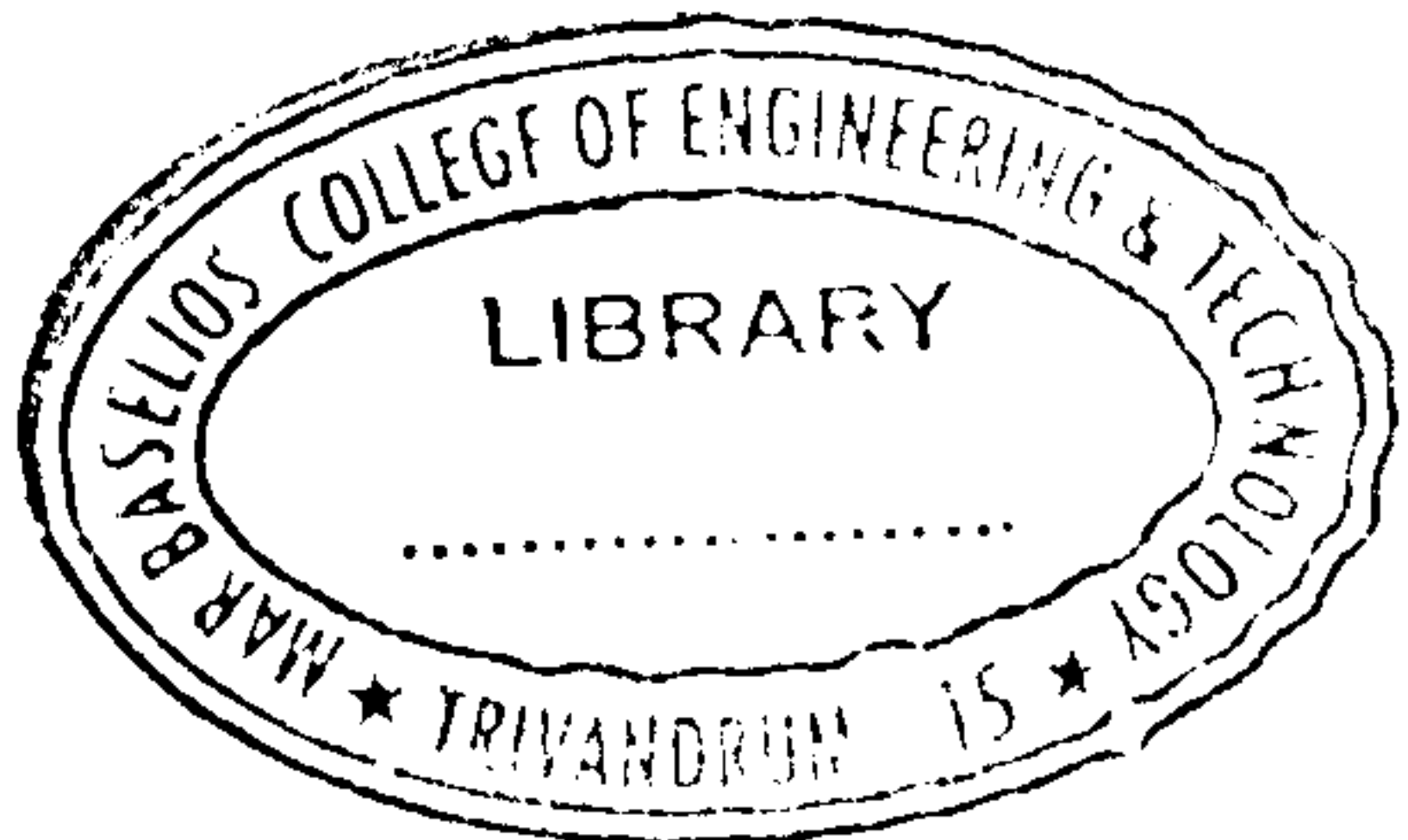
Activity	$t_0$	$t_m$	$t_p$
1-2	2	5	8
1-3	1	4	7
2-3	0	0	0
2-4	2	4	6
2-6	5	7	12
3-4	3	5	10
3-5	3	6	9
4-5	4	6	10
4-6	2	5	8
5-6	2	4	6

- (a) Find the probability of completing the project within 23 days.

- (b) Find the critical path.

OR





14. 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

- (a) Draw the network for the project
  - (b) Find the critical path
  - (c) Find free float, total float and independent float for each activity.
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