

Total number of printed pages-2

53 (CE 812) CTMN

2018

CONSTRUCTION MANAGEMENT

Paper : CE 812

Full Marks : 100

Time : Three hours

The figures in the margin indicate full marks for the questions.

Answer **any five** questions out of **six**.

1. Explain the different components of network and how are they helpful in understanding a network. 20

2. What is network scheduling technique ? Explain the advantages and disadvantages of PERT and CPM. 10+10=20

3. Define project management and its role in construction industry. Explain the potential benefit of good project management. 10+10=20

4. What is Arbitration and its role in settling disputes ? Explain the essential provisions of Indian Arbitration Act, 1940.

10+10=20

5. Explain the following terms : 4×5=20

- (a) Planning
- (b) Staffing
- (c) Coordinating
- (d) Organizing.

6. Estimate the expected time of each of the following activities from the Three Time Estimates and determine the critical path.

Sl. No.	Activity	Time Estimates in days		
		t_o	t_l	t_p
1.	Driving of piles	22	30	50
2.	Erection of Roof truss in factory	11	14	17
3.	Concreting of foundation	3	5	6
4.	Fabrication of sheet for bldg.	12	16	17

10+10=20