

PROJECT PLANNING & MANAGEMENT

Paper-CE-309 N

Time allowed : 3 hours

[Maximum marks : 75]

Note : Attempt any five questions. Select at least one question from each unit.

Unit-I

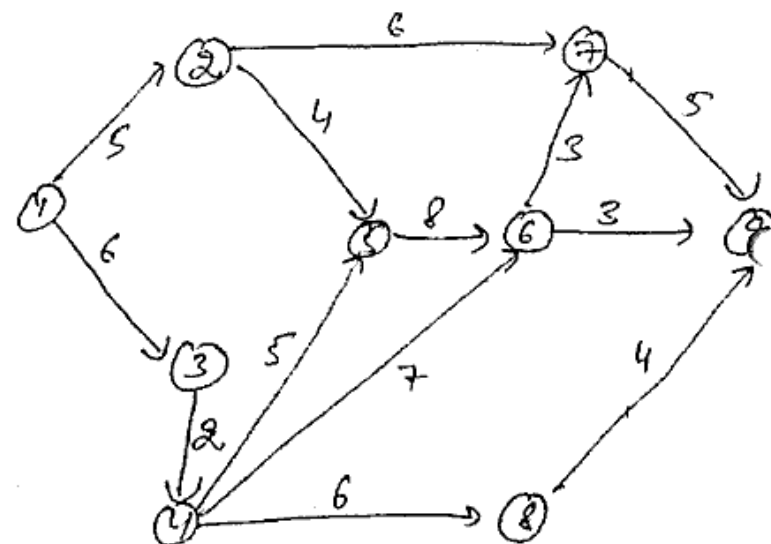
1. Explain the significance, objectives and functions of Construction management. 15
2. (a) Describe the main features of the arbitration clause in a construction contract. 10
(b) Discuss the main conditions of Construction Contract. 5

Unit-II

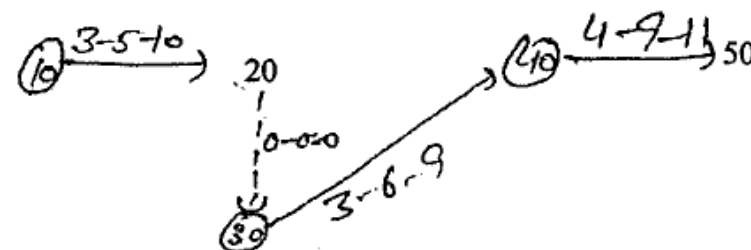
3. (a) Write a short note of milestone chart. 8
(b) Discuss the purpose of scheduling. 7
4. Explain the principles of organisation. 15

Unit-III

5. A N/W is shown in fig. with the expected time of completion of each activity. Determine the earliest expected time and latest occurrence time for each event. 15

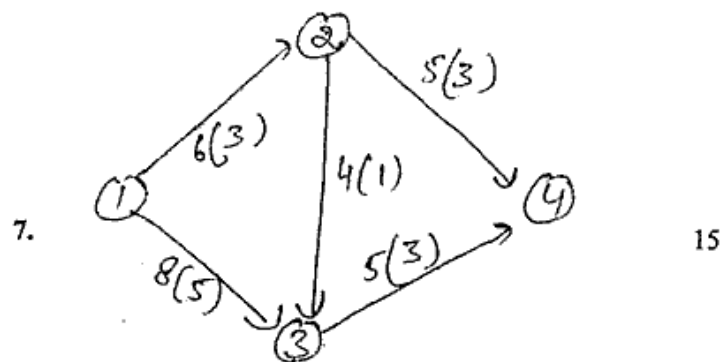


6. (a) Discuss central limit theorem. 5
(b) A Path of certain N/W is shown in fig. with the time estimates for its activities as mentioned. Determine the expected time for the path and also find out the standard deviation. 10



(3)

Unit-IV



Activity	Normal duration (Weeks)	Normal Cost (Rs)	Crash duration (Weeks)	Crash cost (Rs.)
1-2	6	7000	3	14500
1-3	8	4000	5	8500
2-3	4	6000	1	9000
2-4	5	8000	3	15000
3-4	5	5000	3	11000

Indirect cost of the Project is 3000 Rs./Week. Determine the optimum duration and min. cost. 15

8. List the non-destructive test for conc. structure and explain any of two test in detail. <http://www.kuonline.in> 15

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