

October 2018*Time – Three hours*
(Maximum Marks: 75)

[N.B: (1) Q.No. 8 in PART – A and Q.No. 16 in PART – B are compulsory. Answer any FOUR questions from the remaining in each PART – A and PART – B

(2) Answer division (a) or division (b) of each question in PART – C.

(3) Each question carries 2 marks in PART – A, 3 marks in Part – B and 10 marks in PART – C.]

PART – A

1. What is the objective of construction management?
2. Define sub contract.
3. What are advantages of sole proprietorship?
4. What are the uses of MIS in construction industry?
5. Define resource management.
6. Where do we need arbitration?
7. Expand: NIDCO, SFC.
8. List the types of schedule.

PART – B

9. List the types of construction sectors with an example.
10. What is the importance of project report?
11. Draw the organisation chart of a medium construction company.
12. Briefly explain daily labour report with specimen form.
13. Describe Fulkerson's rule for numbering the events.
14. How will you improve safety in construction?
15. Briefly explain contract labour act.
16. Explain any one present value computation method.

PART – C

17. (a) What are the duties of owner, consultant and contractor in construction practice?

(Or)

(b) Describe in detail the different types of contract.

18. (a) Explain the different forms of business organization.

(Or)

(b) Describe the responsibilities of section officer.

19. (a) The chart shows the activity of three time estimates. Calculate the expected time for each activity. Prepare network. Find T_E , T_L and S . What is the project duration?

| Activity | 1-2 | 1-6 | 2-3 | 2-4 | 3-5 | 4-5 | 6-7 | 5-8 | 7-8 |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Optimistic t_o | 3 | 2 | 6 | 2 | 5 | 3 | 3 | 1 | 4 |
| Most likely t_l | 6 | 5 | 12 | 5 | 11 | 6 | 9 | 4 | 19 |
| Pessimistic t_p | 15 | 14 | 30 | 8 | 17 | 15 | 27 | 7 | 28 |

(Or)

(b) Write short notes on: (i) Resource planning (ii) Time Vs Cost optimisation curve.

20. (a) Describe the role of designer, employer and worker in safety management.

(Or)

(b) Briefly explain: (i) Payment of wages act (ii) Engineering ethics.

21. (a) Describe the role of ICICI, IDBI and SISI in developing entrepreneurship.

(Or)

(b) Describe in detail: (i) Construction automation (ii) Activities of bank in entrepreneurship development.
