

915

Register No.:

April 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. Define the term construction management.
2. Explain about EMD.
3. Draw the organisation chart of a medium construction company.
4. What do you mean by work charged establishment?
5. Draw a specimen page of material schedule.
6. What are the causes for accident?
7. Define arbitration.
8. List the concepts of entrepreneurship.

PART – B

9. Briefly explain land acquisition.
10. What are the duties of sub-contractor?
11. List the qualities of efficient construction manager.
12. Explain briefly about DLR.
13. State the Fulckerson's rule for numbering of events.
14. Define resource management.
15. What do you mean by engineering ethics?
16. List the rewards for entrepreneur.

[Turn over.....

PART – C

17. (a) Explain in detail the various stages of a construction project.

(Or)

- (b) (i) List the advantages of planning to client.
(ii) Under what circumstances termination of contract is followed?

18. (a) Describe the various forms of business organization.

(Or)

- (b) Write short notes on:
(i) Percentage completion report.
(ii) Responsibilities of executive engineer.

19. (a) The following are the three time estimates of activities. Compute the average expected time for each activity. Draw the project network. Calculate T_E , T_L and slack for each mode. Identify the critical path. What is the expected project length?

Activity	1-2	1-3	1-4	2-5	3-5	4-6	5-6
t_o (week)	1	1	2	1	2	2	3
t_l	1	4	2	1	5	3	6
t_p	7	7	8	1	14	10	15

(Or)

- (b) (i) Define: Dummy activity, Float and Slack.
(ii) Explain: Crash time, Crash cost.

20. (a) Describe the three important quality assurance techniques.

(Or)

- (b) Write short notes on:
(i) Employees provident fund act (ii) Code of ethics.

21. (a) Describe the role of SISI, DIC and TANSIDCO in developing entrepreneurship.

(Or)

- (b) Briefly explain:
(i) Construction automation.
(ii) IRR method of financial management.
