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BOARD DIPLOMA EXAMINATION, (C-20)

OCTOBER/NOVEMBER—2024

DCE – FIFTH SEMESTER EXAMINATION

CONSTRUCTION MANAGEMENT AND ENTREPRENEURSHIP

Time : 3 Hours]

[Total Marks : 80

PART—A

3×10=30

Instructions : (1) Answer **all** questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. State the need for scientific management of projects.
2. Define the terms (a) administrative approval and (b) technical sanction.
3. Define the terms (a) event and (b) activity.
4. State the various types of contracts.
5. State the advantages of Arbitration.
6. What are the objectives of Financial Management?
7. State the reasons for Replacement of equipment in construction industry.
8. Write any three characteristics of entrepreneur.
9. State the role of SFC (State Finance Corporation's) in promoting entrepreneurs.
10. State the need for professional ethics.

PART—B

8×5=40

- Instructions :** (1) Answer either (a) or (b) of each question.
(2) Each question carries **eight** marks.
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

11. (a) Explain the duties of resident engineer in a construction industry. 8

(OR)

(b) (i) Draw a flow chart for the organizational structure of an engineering department. 4

(ii) Compare head quarters versus regional and project management. 4

12. (a) Explain the salient features of bar chart and its limitations with suitable example. 8

(OR)

(b) State any eight differences between CPM and PERT. 8

13. (a) State the general conditions of contract for Civil Engineering works. 8

(OR)

(b) Prepare a draft tender notice to invite tenders in roads and buildings department. 8

14. (a) What is meant by cost control? Explain the purpose of cost control. 8

(OR)

(b) Discuss about the various stages of material management. 8

15. (a) State the role of human relations and performance in organization. 8

(OR)

(b) State the role of interpersonal relationship for effective work culture. 8

PART—C

10×1=10

- Instructions :** (1) Answer the following question.
(2) The question carries **ten** marks.
(3) Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer.

- 16.** The following project has nine activities and the estimated time of each activity is given below :

Activity	1-2	1-3	1-4	2-5	3-5	3-6	4-6	5-7	6-7
Estimated time in days	1	3	4	3	4	5	6	5	2

- (a) Draw network diagram.
(b) Identify the critical path.
(c) Draw the table showing EST, LST, EFT, LFT and Total float.

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