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BOARD DIPLOMA EXAMINATION, (C-20)

DECEMBER—2022

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 any three functions of management.
2. Define the terms (a) organization and (b) primary estimate.
3. Define the terms (a) activity, (b) event and (c) critical path.
4. Write short notes on EMD and security deposit.
5. Define the terms contract and contractor.
6. State any three objectives of materials management.
7. What is the need for mechanization in construction industry?
8. State the role of State Finance Corporation (SFC) in industrial development.
9. Define the terms entrepreneur and entrepreneurship.
10. List the types of interpersonal relationship skills for effective work culture.

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- Instructions :** (1) Answer **all** questions.
(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 various duties of assistant executive engineer—
(i) regarding works;
(ii) regarding stores;
(iii) regarding account.

(OR)

- (b) Explain the duties of executive engineer in engineering department.

- 12.** (a) Explain scheduling of a project by Gantt bar chart.

(OR)

- (b) Define the terms CPM and PERT and differentiate between CPM and PERT.

- 13.** (a) List and explain the various types of contract systems in construction industry.

(OR)

- (b) State the need for arbitration and list the advantages of arbitration.

- * **14.** (a) List and explain the different stages at which cost control can be achieved.

(OR)

- (b) What are the points to be observed in the storage of perishable and non-perishable store materials?

- 15.** (a) Explain the role of human relations and performance in organization.

(OR)

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

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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 activities and the expected time of each activity is given below :

Activity	1-2	2-3	2-4	2-5	3-6	5-6	5-7	4-7	6-8	7-8	8-9
Duration in days	4	4	5	6	6	7	8	5	5	7	9

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

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