

*

7623

BOARD DIPLOMA EXAMINATION, (C-20)

MAY/JUNE—2023

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 construction management.
2. Define the terms (a) technical sanction and (b) administrative approval.
3. Define the terms (a) CPM and (b) PERT.
4. List the advantages of tender system.
5. Write short notes on EMD and security deposit.
6. Define the terms indent and invoice.
7. State the need for mechanization in construction industry.
8. State the advantages of arbitration.
9. State any six characteristics of entrepreneur.
10. Explain briefly about the human resource management.

*

*

PART—B

8×5=40

*

- 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) List the duties of chief engineer in engineering department.

(OR)

(b) Draw the flow chart and explain organization of public works department (PWD).

12. (a) Explain the advantages of PERT.

(OR)

(b) List the steps involved in the critical path method to determine the least duration.

13. (a) What are the types of contract systems? Explain any two briefly.

(OR)

(b) What is the information to be included in a tender document?

14. (a) Explain the requirements of good formwork.

(OR)

(b) List out the stages involved in material management.

15. (a) Write the importance of professional ethics.

(OR)

(b) State the role of interpersonal relationship for effective work culture in any organization.

*

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 project has nine activities and the expected 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
Expected time in days	1	3	4	3	4	5	6	5	2

- (a) Draw network diagram.
(b) Identify the critical path.

★★★