



C16-C-502

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BOARD DIPLOMA EXAMINATION, (C-16)

OCTOBER/NOVEMBER—2023

DCE - FIFTH SEMESTER EXAMINATION

CONSTRUCTION TECHNOLOGY AND PROJECT MANAGEMENT

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 factors influencing strength of concrete.
2. State the need for use of construction machinery.
3. State any three requirements of good electrical wiring.
4. State any three causes of fire.
5. State any three duties of an executive engineer.
6. State any three merits of Lump Sum contract.
7. State the requirements of a contractor.
8. State any three rules to be followed in recording measurements in M book.
9. State various opportunities for civil engineers to become entrepreneur.
10. State the requirements of a licensed surveyor.

PART—B

10×5=50

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

11. Explain the terms (a) micro concrete and (b) shotcrete.
12. Explain the method of concreting under water.
13. List the aspects to be considered during preliminary planning of a housing colony.
14. State any five causes of accidents and any five safety measures to be adopted in construction industry.
15. List the steps involved in fixing up the agency through tender system.
16. State the common irregularities in muster roll.
17. State the steps involved in checking the bills.
18. State the concessions given to civil engineers to start an enterprise and execute contracts.

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