



C14-C-603

4712

BOARD DIPLOMA EXAMINATION, (C-14)

MARCH / APRIL - 2019

DCE - VI SEMESTER EXAMINATION

CONSTRUCTION TECHNOLOGY & VALUATION

Time : 3 Hours]

[Total Marks : 80

PART - A

3×10=30

Instructions :

- (1) Answer **ALL** questions.
- (2) Each question carries **THREE** marks.
- (3) Answer should be brief and straight to the point and shall not exceed five simple sentences.

- 1 Define workability and water cement ratio.
- 2 What is meant by FAL-G Concrete.
- 3 What are various types of joints provided in Concrete Construction.
- 4 Define Prestress Concrete.
- 5 What is Mechanism of Bond in Deformed bars.
- 6 What is meant by Dredging.
- 7 Define Day Light factor and Glare.
- 8 What is Earthquake.
- 9 Define Book Value and Market Value.
- 10 What are the different methods of Valuation.

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[Contd...

PART - B**10×5=50**

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

- 11 What is Polymer concrete and types ? What are the advantages of Polymer concrete ?
- 12 Explain the method of providing Construction joint in concrete constructgion.
- 13 Explain :
 - (a) What are the requirements of steel and concrete used for prestress concrete ?
 - (b) What are Losses of Prestress ?
- 14 (a) Explain the arrangement of Formwork for a water tank using Slip Formwork.
 - (b) What are the advantages of Slip forms ?
- 15 Explain with a neat sketch how the Drag Line can be operated.
- 16 Explain the Hot Water Supply using Solar water heating system.
- 17 (a) What is importance of Seismic Zoning ?
 - (b) Write the Salient features of Earthquake resistant design.
- 18 Explain the purpose of Valuation of a property.