## c16-c-505

### 6624

### **BOARD DIPLOMA EXAMINATION, (C-16)**

### MARCH/APRIL-2021

**DCE - FIFTH SEMESTER EXAMINATION** 

HDIANALITERU KRI

# PART-A

Instructions: (1) Answer all questions.

- (2) Each question carries thr
- and straight to the point and shall
- List any three applications of IoT in smart transportation. 1.
- State any three demerits of IoT.
- State any three modern surveying instruments.
- State any stree of prestressed concrete. 4.
- List out any three alternative earth retaining techniques.
- What
- 7.
- - 9.

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#### PART—B

**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 applications of IoT in Food and Water tracking.	10
12.	Explain the principles and the uses of EDM.	10
13.	Explain any five losses of prestress in the prestressed concrete.	10
14.	(a) Write a short note on Lee Mc Call system.	4
	<ul> <li>Explain the applications of IoT in Food and Water tracking.</li> <li>Explain the principles and the uses of EDM.</li> <li>Explain any five losses of prestress in the prestressed concrete.</li> <li>(a) Write a short note on Lee Mc Call system.</li> <li>(b) Explain the requirements of steel article concrete for Prestressed concrete.</li> <li>(c) Explain the requirements in earticle retaining structures.</li> <li>(a) List out the types of cherabricated systems.</li> <li>(b) Explain the materials used in prefabricated construction.</li> </ul>	6
15.	Explain about Geo mats in earth retaining structures.	10
16.	(a) List out the types of $\mathbf{r}$ efabricated systems.	2
	(b) Explain the materials used in prefabricated construction.	8
17.	buildings as per IS 4326.	10
18.	(a) Where is Solar Power?	2
	(b) Explain the uses of solar energy.	8

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