

**B.Tech. Civil (Construction Management) /
BTCLEVI**

00503 **Term-End Examination**

June, 2018

ET-523(A) : CONSTRUCTION WORKS SUPERVISION

Time : 3 hours

Maximum Marks : 70

*Note : Attempt any **five** questions. All questions carry equal marks.*

1. (a) Discuss the responsibilities of a construction supervisor. 7
- (b) Explain the steps required to be taken to maintain the progress on a construction work. 7
2. (a) Describe the purpose and components of an estimate. 7
- (b) Define drawing. Discuss the interpretation of drawings. 7

3. (a) Describe the various indirect costs associated with a construction project. 7
- (b) Explain the typical form of a contract agreement. 7
4. (a) What do you mean by Project Budget ? Explain the procedure of preparing it. 7
- (b) Explain the contents of a "Site Order Book". 7
5. (a) Describe the format of maintaining material requisition and issue records. 7
- (b) What is the significance of the records of cement consumption ? Explain. 7
6. (a) Explain the necessity of classification for excavation. 7
- (b) Discuss the significance of workmanship and quality assurance in masonry construction. 7
7. (a) Describe various precautions required to be taken while bending steel bars. 7
- (b) Explain the importance of earthing in electrical work. 7

8. Write short notes on the following :

$$4 \times 3 \frac{1}{2} = 14$$

- (a) Measurement Book
 - (b) Purchase Process
 - (c) Conditions of Contract
 - (d) Raft Foundation
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