

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

Term-End Examination

June, 2019

00642

ET-523(A) : CONSTRUCTION WORKS SUPERVISION

Time : 3 hours

Maximum Marks : 70

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

1. (a) Explain the hierarchy of management levels on a typical construction site. 7
- (b) Discuss the different activities which a construction supervisor is expected to perform on a construction site. 7
2. (a) Define specifications. Explain the requirement of good specifications. 7
- (b) What is Drawing ? Discuss the interpretation of drawings. 7
3. (a) Describe the purpose and components of construction estimate. 7
- (b) Discuss the necessity of estimation for variations. 7

4. (a) Explain the procedure of keeping the records of cement consumption. 7
- (b) Describe a typical format of log book for construction equipment. 7
5. (a) Discuss the necessity of classification for excavation. 7
- (b) Explain the five important stages of work which are generally recorded in the Inspection Register and passed by Engineer-in-charge. 7
6. (a) Describe the various safety measures required to be taken during construction of well foundation. 7
- (b) Discuss the quality requirements of concrete. 7
7. (a) Describe the various points required to be checked while supervising masonry construction. 7
- (b) Describe the importance of earthing in electrical works. 7
8. Write short notes on the following : $4 \times 3 \frac{1}{2} = 14$
- (a) Muster Roll
- (b) Measurement Book
- (c) Bill of Quantities
- (d) POL Consumption