

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

Term-End Examination 00731
June, 2015

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 construction supervisor's role in ensuring progress. 7
2. (a) Define "drawing" as understood in civil engineering. How can a three-dimensional structure be represented by a drawing drawn on paper ? 7
- (b) Discuss the procedure of framing a construction estimate. 7
3. (a) Explain the general conditions of a contract. 7
- (b) Discuss the constituents of a purchase order. 7

4. (a) Describe four important stages of work which are generally recorded in an inspection register. 7
- (b) Explain the contents of a Log Book. 7
5. (a) Discuss the various points required to be checked while supervising a masonry construction. 7
- (b) Explain the basic principles of "Anti-termite Treatment". 7
6. (a) Explain the different types of equipment used for the transportation of concrete. 7
- (b) Discuss the various checks to be observed during the supervision of a structural steel work. 7
7. Write short notes on the following : $4 \times 3 \frac{1}{2} = 14$
- (a) Site Diary
- (b) Raft Foundation
- (c) Water Proofing
- (d) Formwork of a Beam
8. Differentiate between the following : $2 \times 7 = 14$
- (a) Whitewashing and Distempering
- (b) Plastering and Pointing