

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

00820 **Term-End Examination**

June, 2014

ET-523(A) : CONSTRUCTION WORKS SUPERVISION

Time : 3 hours

Maximum Marks : 70

Note : *Question no. 1 is compulsory. Attempt any four more questions from Q. No. 2 to Q. No. 7. Use of calculator is permitted. The answers shall be in your own language.*

1. Explain in brief (3-5 lines) 7×2=14
- (a) Main qualification of a supervisor
 - (b) Bill of Quantities (BOQ)
 - (c) Muster Rolls
 - (d) Percentage Rate Contract
 - (e) Log Book
 - (f) Well foundation
 - (g) Scaffolding
2. (a) What do you understand by the term 'Specifications' ? To what other terms are they related ? Discuss. 7
- (b) What are the duties and responsibilities of a construction supervisor, when he is working on behalf of a construction agency ? 7

3. (a) What is the procedure for placing purchase orders ? Explain. 7
- (b) Discuss the format and use of inspection registers. 7
4. (a) How is the progress of a work reported ? Discuss the various methods that are available. 7
- (b) How is a register for steel consumption maintained ? 7
5. (a) Explain in detail the methods of restoring an excavation without collapse. Explain with the help of sketches. 7
- (b) Explain briefly the construction procedure for a cement concrete work. 7
6. (a) What are the defects that may occur in a formwork, in its horizontal supports ? 7
- (b) Discuss the features of construction of a pre-cast concrete member. 7
7. Write short notes on any *four* of the following :
- $$4 \times 3 \frac{1}{2} = 14$$
- (a) Checklist during a cement concrete flooring
- (b) Maintenance of POL records
- (c) Water-proofing
- (d) White-washing
- (e) Drawing registers