

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

Term-End Examination

00677

December, 2017

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 position and importance of the construction supervisor in a construction organisation. 7
- (b) Discuss the minimum qualifications and training requirement for a construction supervisor. 7
2. (a) Discuss various phases through which a construction project normally passes. 7
- (b) Explain the construction supervisor's role in ensuring progress of a piece of work. 7

- 3. Define the following terms :** $4 \times 3 \frac{1}{2} = 14$
- (a) **Contract Conditions**
 - (b) **Architectural Drawings**
 - (c) **Extra Item Rate List**
 - (d) **Administrative Approval**
- 4. (a) Describe the importance of conditions in a contract pertaining to the role of supervisor of works.** 7
- (b) Explain the procedure of estimation for revision of project budgets.** 7
- 5. (a) Discuss various steps involved in the procedure leading to issuing of Purchase Orders.** 7
- (b) Describe the contents of a Site Order Book.** 7
- 6. (a) Explain the difference in technique of consolidation in cohesive and cohesionless soils.** 7
- (b) Discuss the significance of Workmanship and Quality Assurance in masonry construction.** 7

7. (a) Discuss the necessity of classification for excavation work. 7
- (b) Explain the precautions required to be taken while storing aggregates. 7
8. (a) Describe the need for insisting on bond stones or through stones in stone masonry work. 7
- (b) Discuss various checks required to be observed during supervision of structural steel work. 7
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