

**B.Tech. CIVIL (CONSTRUCTION
MANAGEMENT)**

BTCLEVI

Term-End Examination

December, 2011

**ET-523(A) : CONSTRUCTION WORKS
SUPERVISION**

Time : 3 hours

Maximum Marks : 70

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

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1. Answer the following in brief. 7x2=14
 - (a) What is Bill of quantities ?
 - (b) What is Site Dairy ?
 - (c) List the registers maintained in construction site.
 - (d) What are well foundations ?
 - (e) What is the use of Scaffolding ?
 - (f) What is batching ?
 - (g) What are HVAC works ?

 2.
 - (a) Discuss the responsibilities and duties of supervisor appointed by owner. 7
 - (b) What are various documents to be maintained by a supervisor on a worksite ? 7

3. (a) Discuss different types of contracts and explain typical form of contract agreement. 7
(b) What are inspection registers ? Write their important aspects ? 7
4. (a) Write essential elements of a typical site Dairy. 7
(b) How are the materials issued by owner organised ? Show a typical receipt of the same. 7
5. (a) Discuss the salient features of cement concrete construction supervision. 7
(b) What are the precautions to be taken at site, while steel is bent and placed in position ? 7
6. (a) Discuss in detail about transporting, placing, compacting and curing of RCC. 7
(b) What are the methods adopted and the precautions taken while laying and jointing of pipes ? 7
7. Write short notes on *any four* of the following :
(a) Treatment plants for water supply. $4 \times 3\frac{1}{2} = 14$
(b) White washing and distempering.
(c) Batching plants in concrete.
(d) Organising spare parts of equipment.
(e) Stripping time of form work.