

00303

B.TECH. CIVIL ENGINEERING

Term-End Examination

December, 2012

**BICE-010 : QUANTITY SURVEYING AND
COSTING**

Time : 3 hours

Maximum Marks : 70

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- Note :** (i) *All the questions are to be answered in **English** only.*
(ii) *Attempt any **seven** questions out of **ten**.*
(iii) *All question carry **equal** marks.*
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1. Write units of measurement for the following items. **10x1=10**
- (a) Surface dressing
 - (b) DPC
 - (c) Precast Cement Concrete 5 cm thick
 - (d) Brick Partition Wall
 - (e) Wood work for doors and windows
 - (f) Bending, binding of steel reinforcement
 - (g) Rolling shutters
 - (h) Skirting 10 cm height
 - (i) Dado
 - (j) Pointing

2. Explain the centre line method of building estimate with a sketch. 10
3. Describe briefly the different types of estimates and its purposes. 10
4. Prepare a barbending schedule for a roof slab size 7m x 3m x 0.15m with support thickness is 20cm. Assume the missing datas suitably. 10
5. Describe prismoidal formula method for calculating an earth work quantity. 10
6. Prepare a detailed estimate and bill of quantity for CC 1:3:6 road for 1km length, 3.7m wide, 8cm thick layer. Take rates of material at your locality. 10
7. Discuss the methods of valuations of a building. 10
8. Write the difference between accounts of "stock and tools and plants". 10
9. Describe the general specification for a Ist class building. 10
10. Write short notes on *any two* of the following : 5x2=10
 - (a) Depreciation
 - (b) Bill of quantities
 - (c) Sinking fund