

**DIPLOMA IN CIVIL ENGINEERING
(DCLEVI)**

Term-End Examination

December, 2013

**BCE-042 : ESTIMATING & QUANTITY
SURVEYING-II**

Time : 2 hours

Maximum Marks : 70

Note : Attempt any five questions and Question no. 1 is compulsory. Assume missing datas suitably, if any.

1. State ' TRUE' or 'FALSE'. 7x2
 - (a) Steel and iron work shall be measured in quintal.
 - (b) Brick partition 10 cm thick shall be measured in cu.m.
 - (c) No deductions shall be made opening upto 0.1 sq.m.
 - (d) Corrugated sheeting shall be measured flont not girthed.
 - (e) Painting coefficient for panelled door is $2 \frac{1}{4}$.
 - (f) DPC shall be measured in sq.m.
 - (g) Nominal size of standard brick is 200cm × 100cm × 100cm.

2.
 - (a) What are the different types of estimates ? 6
 - (b) Explain the detailed estimate. 8

3. Write the general specification of a first class building. 14

4. Prepare a analysis of rates for cement concrete 1 : 2 : 4 for 1 cu.m. 14

5. Explain the detailed specification for Brick Work 1st class. **14**
6. Calculate the bill of quantities for a RCC roof slab of size $6\text{m} \times 3\text{m} \times 0.15\text{m}$ with roof height 3m and supporting wall thickness 20cm . Take steel 1%. **14**
7. Prepare a preliminary estimate of a building project with a total plinth area of all buildings of 1500 sq. m . Given that : **14**
- (a) Plinth area rate - Rs. 950-00/sq.m
 - (b) Extra for Architectural treatment - $1\frac{1}{2}\%$ of the building cost.
 - (c) Extra for water supply and sanitary installation - 5% of the cost of building.
 - (d) Extra for internal installations - 14% of the building cost.
 - (e) Extra for services - 6% of the building cost.
 - (f) Contingencies - 3%.
 - (g) Supervision charges - 8%.
8. Write short notes on **any four** : **4x3½=14**
- (a) SSR
 - (b) Center line method
 - (c) Market rate
 - (d) Repair works
 - (e) Lump Sum Contract
 - (f) Analysis of rates
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