

www.FirstRanker.com

www.FirstRanker.com

Roll No.

Total No. of Pages : 03

Total No. of Questions : 09

B.Arch.(2012 & Onwards) (Sem.–6)

**ESTIMATING, COSTING & SPECIFICATIONS – I** 

## Subject Code : BACH-606

Paper ID : [72292]

Time: 3 Hrs.

Max. Marks : 60

## **INSTRUCTIONS TO CANDIDATES :**

- 1. Attempt total FIVE questions with minimum TWO questions from EACH UNIT and COMPULSORY question no. 1.
- 2. Assume the missing data if any and mention that along with answer.
- Q1 a) How the carpet area method is different from the floor area method?
  - b) Compare merits and demerits of revised estimate with supplementary estimate?
  - c) What is the relevance of general specification for civil works?
  - d) What is Bill of quantity for civil work?
  - e) Write down the units of measurements for Glazed tiles in dado & Pressed steel section frame. (2×5=10)

## UNIT-I

- Q2 Calculate the quantity of 230 mm thick first class brick work for superstructure and 12 mm. external cement plaster of the building from plan and section as given in figure -1. (12.5)
- Q3 Enlist the different methods of estimation of a building. Discuss, in detail, the various methods of approximate estimation as required for a building. (12.5)
- Q4 Estimate the quantity of earth work in excavation and Lean (L.C.) concrete in foundation from the plan and section of a building as given figure-1. (12.5)



www.FirstRanker.com



Fig.

FirstRanker.com

www.FirstRanker.com

www.FirstRanker.com

- 05 a) Workout the analysis of rates for the following items of work :
  - i) R.C.C. (1: 2 : 4) in a slab
  - ii) 230 mm.thick brick work in super structure in cement mortar (1:6) (4+4)
  - b) "To finalize the rate of an item, the analysis of rates is must." Justify the statement.

(4.5)

## **UNIT-II**

- Enlist the different types of specification. Give detailed specifications for excavating the 06 foundation trench of a building. (12.5)
- Q7 Discuss the relation of working drawings and specification writing. Explain any two types of such specifications giving examples. (12.5)
- Q8 What points should be emphasized for writing the specification for building services? Write the detailed specification of sanitary fixture and its laying for a residential building.
- wing: 09 Write brief specification on any three the following :

(4+4+4.5)

- a) Flush door
- b) Terrazzo Tile Flooring
- c) Damp proof course
- d) Cement plaster