

1253**Code : 15AR42T**Register
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IV Semester Diploma Examination, April/May-2019**ESTIMATING AND COSTING - I****Time : 3 Hours |****[Max. Marks : 100**

- Instructions :** (i) Answer any **four** questions from Part – A.
(ii) Part – B and Part – C are *compulsory*.

PART – A**4 × 5 = 20**

1. State the purpose of estimate. 5
2. Write the units of the following : 5
 - (a) Cement concrete in foundation bed
 - (b) Weather proof course
 - (c) Skirting
 - (d) Reinforcement
 - (e) Water closet
3. What is schedule of rates ? 5
4. Distinguish between plinth area estimate and cube rate estimate. 5
5. Write detailed specification for Ashlar masonry. 5
6. Write detailed specification for earthwork excavation in foundation. 5

PART - B

 $2 \times 10 = 20$

7. Work out from the first principles the analysis of rate for any **two** of the following :
- (a) First class brick work in CM 1:4 in superstructure. 10
 - (b) 12 mm thick cement plastering using CM 1:6 on new brick work. 10
 - (c) R.C.C. 1:2:4 for roof slab. 10

PART - C

 $4 \times 15 = 60$

8. Prepare detailed estimate of the quantities and abstract estimate of the cost for any **four** of the following items of work for a residential building whose plan and sections are given in the accompanying sketch. Write clearly the specifications and use rates prevailing in your locality.
- (a) Earth work excavation for foundation. 15
 - (b) First class brick work in CM 1:6 for superstructure. 15
 - (c) RCC roof slab. 15
 - (d) Granite flooring. 15
 - (e) Plastering using CM 1:6 for inside walls. 15
 - (f) Painting to doors, windows and ventilators. 15

