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B.E / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, APRIL / MAY 2014

CIVIL ENGINEERING

Seventh Semester

CE472/CE9404 Valuation Engineering/ Estimation, Costing and Valuation Engineering

(Regulation 2008/2004)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. Enumerate the purpose of estimation
2. Define approximate estimate
3. Define observed data.
4. List the softwares used for estimation.
5. Explain the importance of specifications
6. Define Digital signature certificate
7. List the types of contracts
8. Differentiate arbitration process and judicial system
9. Enumerate the factors affecting market value.
10. Define salvage value.

Part – B (5 x 16 = 80 marks)

11. Estimate the quantity of brickwork in foundation and quantity of concrete for roof slab for the building shown in figure 11.

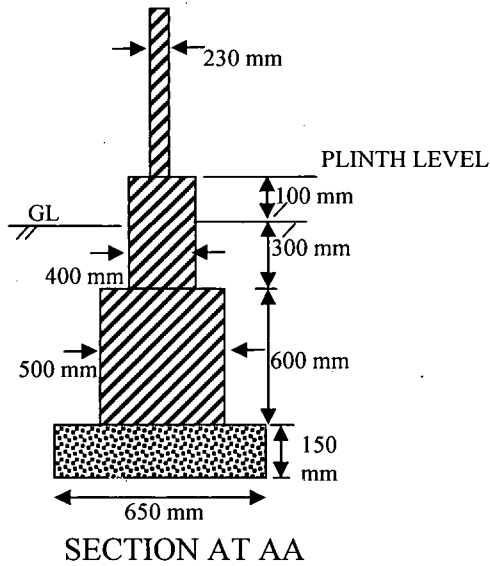
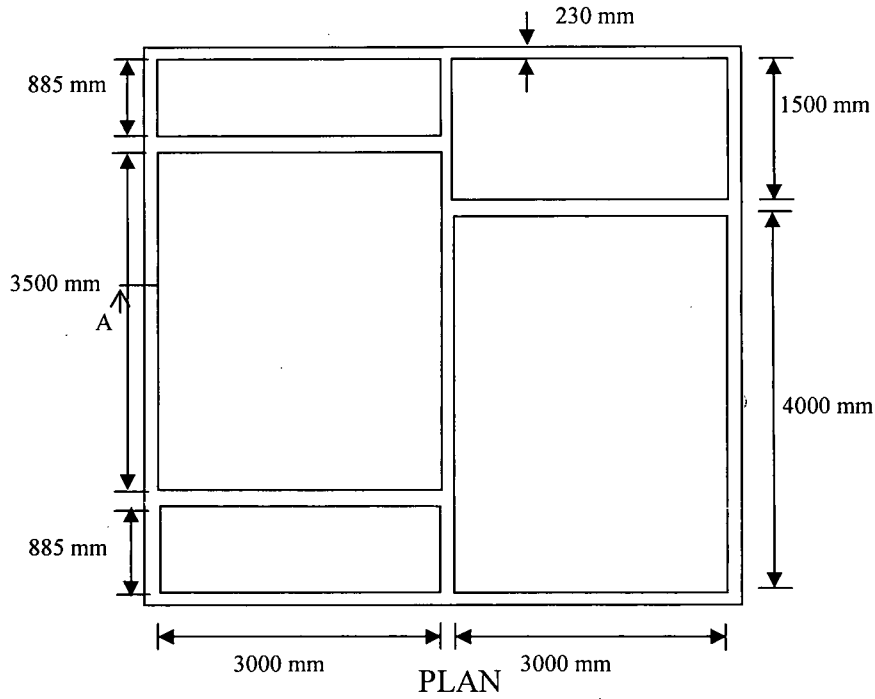


Fig. 11

12. a) Define standard data. Explain in detail the process of arriving at the standard data with suitable example.

(OR)

b) Explain in detail schedule of rates. Explain the factors affecting schedule of rates.

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13. a) Draft a model tender notice for any typical construction work in a government department. The notice should contain all relevant details.

(OR)

- b) Explain the following

- (i) General specifications [6]
(ii) Opening and scrutiny of tender [10]

14. a) Explain in detail the conditions of a contract with respect to time.

(OR)

- b) Explain arbitration with a case study

15. a) List the various methods of valuation of property and explain any two methods in detail

(OR)

- b) Explain any three methods of estimating depreciation