

B.Arch. Sixth Semester (Architecture Engineering) (CGS)
10050 : Estimate & Costing : 06 AR 04

P. Pages : 2

Time : Three Hours



AU - 2832

Max. Marks : 80

- Notes :
1. Answer **four** question.
 2. Question No. **five & six** is compulsory.
 3. Diagrams and Chemicals equations should be given wherever necessary.
 4. Use of slide rule logarithmic tables, Steam tables, Mollier's Chart, Drawing instrument, Thermodynamic table for moist air, Psychrometric Charts and Refrigeration charts is permitted.
 5. I.S.I Hand book for structural Steel section, I.S. Code 800/1962 or 1964, I.S. 456 (Revised) I.S. 875 may be consulted
 6. Discuss the reaction, mechanism wherever necessary.
 7. Use of pen Blue/Black, ink/refill only for writing the answer book.

1.
 - a) Why are the detailed estimates of a project prepared and what costs do they include? 20
 - b) What are the reasons of preparing approximate estimates of a project?

OR

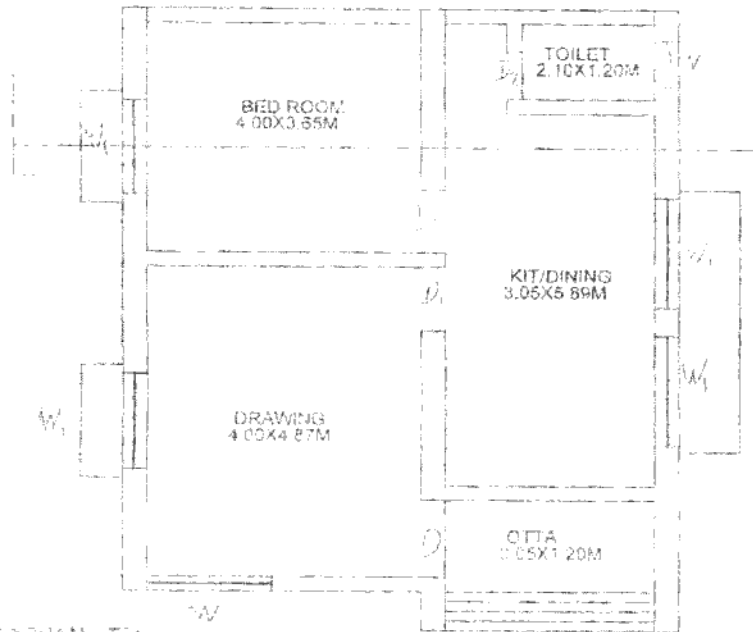
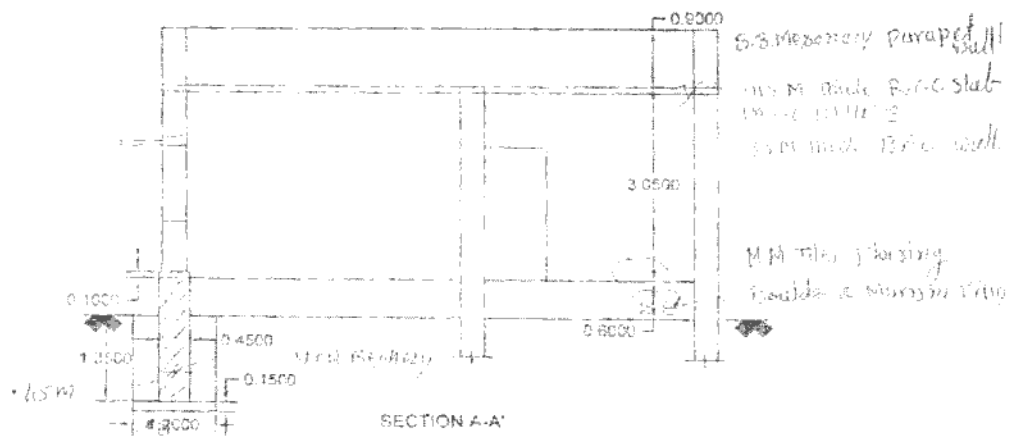
2.
 - a) What are the importance of rate analysis? 20
 - b) Describe the factors affecting the rate analysis of an item?
3.
 - a) What is meant by the standard costing? 20
 - b) What does the task work per day represent? How is it calculated?
 - c) Give reasons the spacing of columns in a building affects the cost per square meter.

OR

4.
 - a) What are the functions of an abstract of an estimate? 20
 - b) Write a critical note on the schedule of rates?
 - c) What does the task work per day represent? How is it calculated?
5. Write short notes on **any four**. 20

- a) Measurement sheet and it's importance?
- b) Essentials of rate analysis?
- c) Major factors affecting rate analysis?
- d) Work charge establishment?
- e) Bill of quantities?
- f) Standard costing?

6. From the given figure work out the quantity of the following. 20
 - a) Quantity of Excavation.
 - b) Quantity of D.C.R. Mensionary
 - c) Quantity of Brick Work? (Super Structure)
 - d) Quantity of R.C.C. slab?



Dr. Door - 1.20 x 2.10 M
 Dg. Door - 0.90 x 2.10 M
 D2. Door - 1.20 x 2.10 M
 W. Window - 1.20 x 1.20 M
 W1. Window - 1.20 x 1.20 M
 W2. Window - 1.20 x 1.20 M
 V. Vent - 0.65 x 1.20 M

FLAN

By dimension 2.10 x 1.20 M
