



CBCS SCHEME

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18ENG74

Seventh Semester B.Arch. Degree Examination, June/July 2026 Specification, Quantity and Costing of Buildings

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. What is an estimate? Why are estimates prepared in a building project? (08 Marks)
- b. Explain the following:
(i) Detailed estimate (ii) Supplementary estimate (iii) Revised estimate (12 Marks)

OR

- 2 Write detailed technical specification for the following:
- a. Earthwork excavation for foundation (06 Marks)
- b. Providing and laying PCC 1:2:4 for roof slab (07 Marks)
- c. Providing and constructing Burnt brick masonry in CM 1:6 for superstructure using table moulded bricks. (07 Marks)

Module-2

- 3 a. What is a BOQ? Explain its importance. (10 Marks)
- b. What is a Tender Document? Explain in detail. (10 Marks)

OR

- 4 a. Explain about Earnest Money deposit and Security deposit. (10 Marks)
- b. What is a Contract? Explain about Labour contract. Discuss its advantages and disadvantages. (10 Marks)

Module-3

- 5 a. Define rate analysis. List and explain the sub-head costs taken into account. (10 Marks)
- b. List and explain the different factors affecting the rate analysis. (10 Marks)

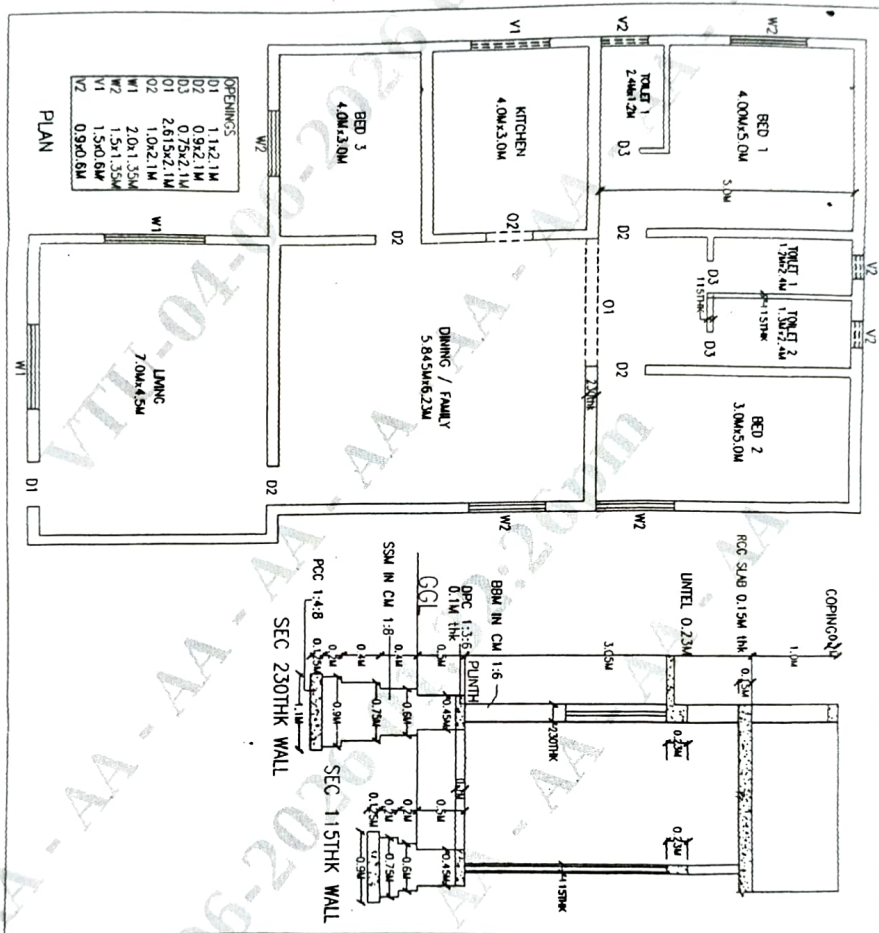
OR

- 6 Carry out the rate analysis for the following:
- i) Earthwork excavation for foundation in ordinary soil.
- ii) PCC bedding 1:4:8 for foundation.
- iii) Coursed rubble masonry in CM 1:6.
- iv) Painting plastered surface including preparation of surface. (20 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg. 42+8 = 50, will be treated as malpractice.

Module-4

- 7 Sketch 1 shows a 3 Bed room unit. Prepare a detailed estimate for the below mentioned item of work.
- a. Earthwork in Excavation. (06 Marks)
 - b. BBM in CM 1 : 6 for super structure (230mm wall). (07 Marks)
 - c. SSM in CM 1 : 6 is foundation (230mm wall). (07 Marks)



Sketch 1

OR

- 8 For the same Sketch 1, calculate the below mentioned :
- a. Internal ceiling plaster in CM 1 : 4, 12mm thick. (07 Marks)
 - b. Internal wall plaster in CM 1 : 6, 12mm thick. (07 Marks)
 - c. Vertrified tile flooring in CM 1 : 3. (06 Marks)

Module-5

- 9 Prepare a detailed estimate for a septic tank with soak pit as shown in Fig.Q9 for the following items of work:
- a. Earthwork in excavation (07 Marks)
 - b. First class brick work in septic tank (06 Marks)
 - c. 12 mm thick plastering for walls using CM 1:6 (inner surface) (07 Marks)

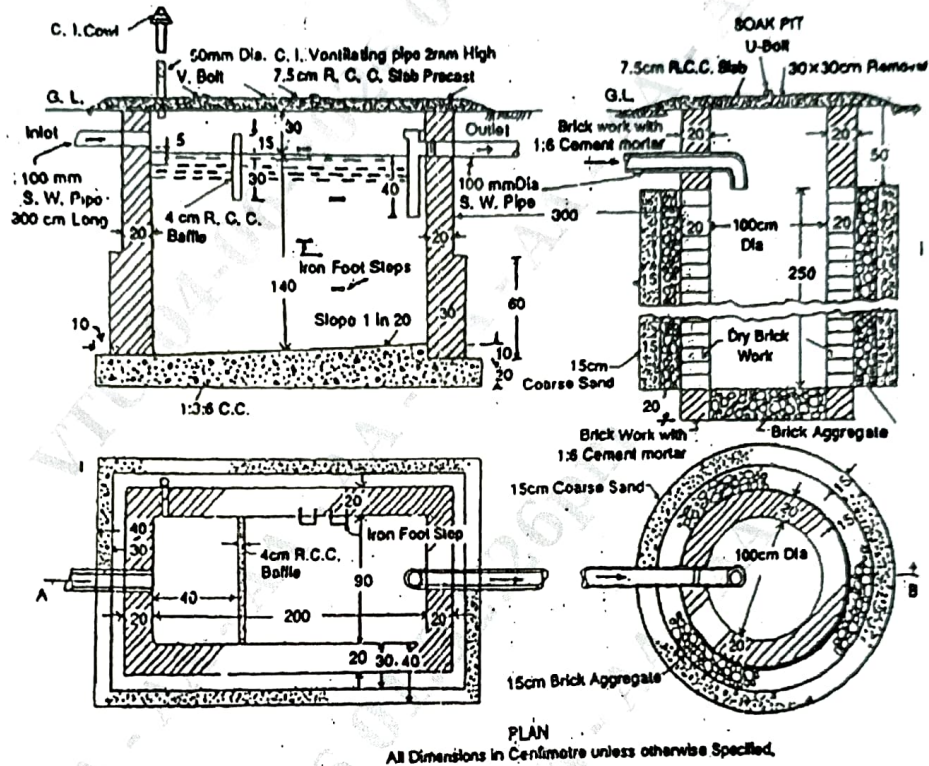


Fig.Q9

OR

- 10 a. Explain the role of architects in monitoring specifications. (10 Marks)
- b. Discuss the role of an architect in monitoring specification RA bills , Quality control at site. (10 Marks)
