



## GOVERNMENT COLLEGE OF ENGINEERING, JALGAON

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Name of Examination : **Winter 2020** - (Preview)

Course Code & Course Name : **CE401 - Estimating and Costing**

Generated At : **19-04-2022 11:07:52**

Maximum Marks : **60**

Duration : **3 Hrs**

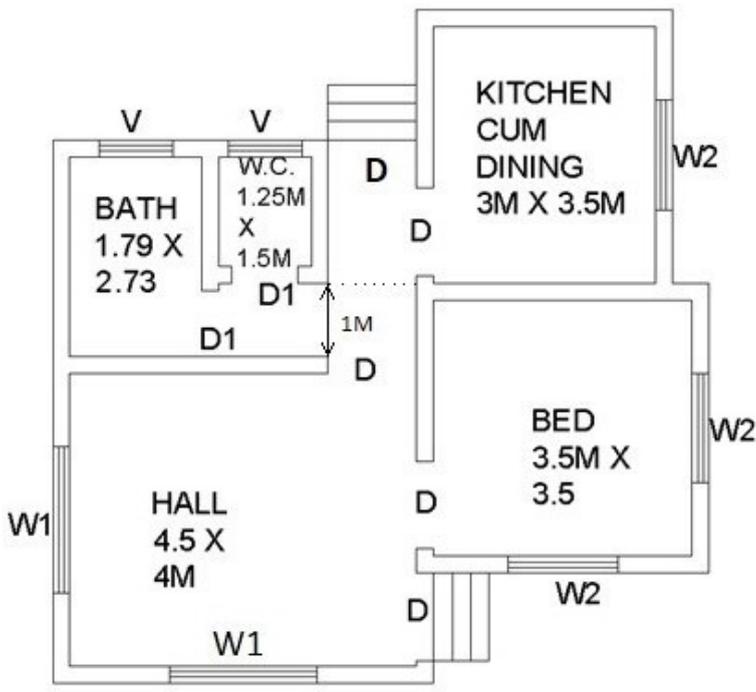
[Edit](#) [Print](#) [View Answer Key](#) [Close](#) **Answer Key Submission Type:** Marking scheme with model answers and solutions of numerical

Instructions:

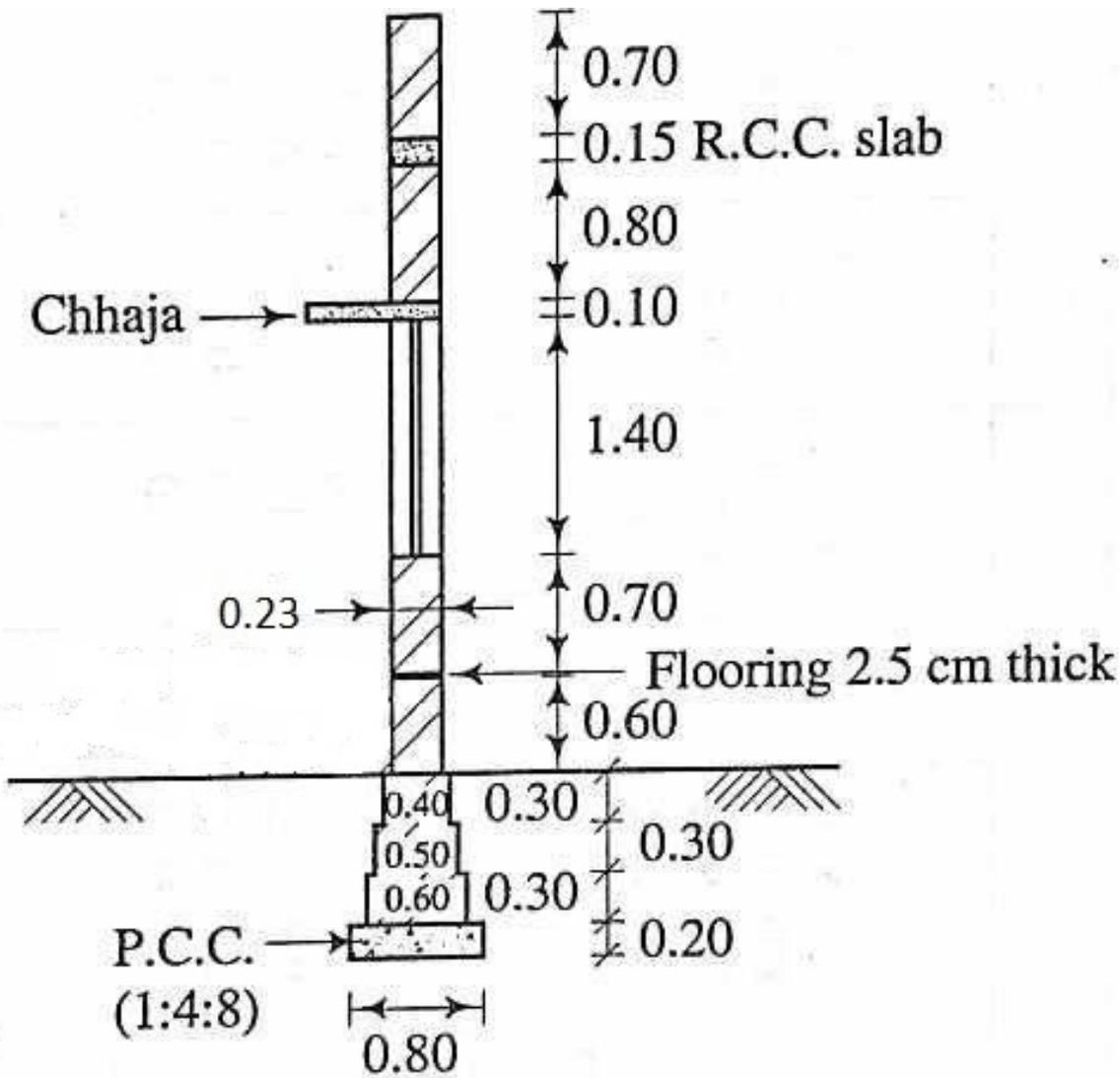
1. All questions are compulsory.
2. Illustrate your answer with suitable figures/sketches wherever necessary.
3. Assume suitable additional data; if required.
4. Use of logarithmic table, drawing instruments and non programmable calculators is allowed.
5. Figures to the right indicate full marks.

**1) Attempt any one of following.**

- |        |  |      |
|--------|--|------|
| A))    | What are the different methods of taking out quantities? Explain each in detail  | [12] |
| B))    | i). What are the different types Approximate estimate? Explain any one detail.   | [6]  |
|        | ii). Describe the procedure of preparation of approximate estimate of road work.   | [6]  |
| 2) A)) | Enlist the various methods of depreciation, Explain any one in detail  | [6]  |
| B))    | What do you mean by Task? What are the different factors affecting on task explain in detail.  | [6]  |
| 3) A)) | What are the rule for the deduction of brick works, plastering & painting? Describe in detail.   | [6]  |
| B))    | Differentiate between Market value and Book value  | [6]  |
|        | <b>Or</b>  |      |
|        | Differentiate between Scrap value and Salvage value  |      |
| 4) A)) | Prepare analysis of rates of first class brick masonry in Cm (1:4) in super structure  | [6]  |
| B))    | Draft the detail Specification of R.C.C. work 1:1½ :3  | [6]  |
| 5)     | Fig.1 shows a plan of a small building and S/C of wall calculate the Quantities of the following item and enter them in standard measurement sheet |      |
| A))    | R.R. Masonry in foundation & C.R. masonry in plinth in C.M. (1 : 6)  | [6]  |
| B))    | First class Brickwork in superstructure in C.M. (1 : 6)  | [6]  |



PLAN



S/C THROUGH WALL

OPENING DETAIL

D= 1M X 2.1M

D1= 0.9M X 2.1M

**W1= 1.5M X 1.4M**

**W2= 1.2M X 1.4 M**

**V 0.6M X 0.6M**

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