

**M.Com Valuation Semester-2 Examination****MV 502 (T)****Building Construction****April-2024****Time : 2-30 Hours]****[Max. Marks : 70**Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figure to the right indicate full marks.

**Q - 1** Draw neat sketch of Building components and explain them in brief. **14**

**OR**

**Q - 1** What is Specifications? Give the purposes of specifications and Write detailed specifications on Brickwork in C: M (1:6). **14**

**Q - 2** Define Rate Analysis, State factors affecting Rate analysis. **14**

**OR**

**Q - 2** Enlist various water piping systems in buildings and explain any one with sketch in detail. **14**

**Q - 3** What is Building services? Explain the importance of Building services and list out various building services. **14**

**OR**

**Q - 3** Give classifications of different types of cements with its uses and also explain Bogue's compound of cement. **14**

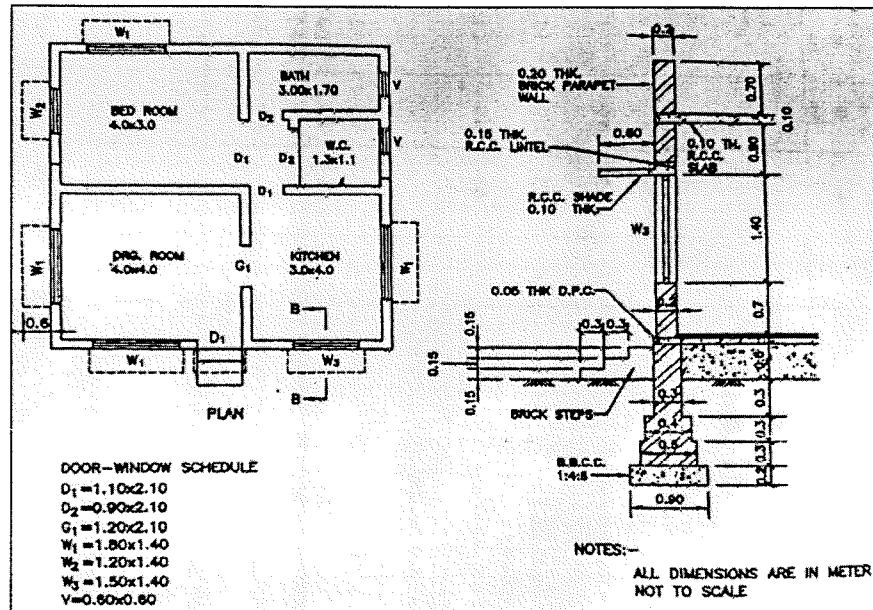
**Q - 4** Calculate the quantities of materials for: **14**  
(a.) Brick masonry work for 1 m<sup>3</sup> (1:6)  
(b.) Plastering work for 10 m<sup>2</sup> (1:4)  
(c.) Concrete work for 1 m<sup>3</sup> (M 20 grade)

**OR**

**Q - 4** The figure shows details of a residential building, calculate the quantities for following items : **14**

1. Earthwork in excavation for foundation
2. BBCC for Foundation
3. Brick masonry up to plinth in c.m. 1:6
4. Smooth plaster inside the rooms and ceilings in c.m. 1:3

N204-2



Q - 5 Give short answers for the following questions (Any Seven)

14

- Enumerate the difference between Load bearing structure and Framed structure.
- What are the functional requirements of placement of doors in buildings?
- Define: Vent pipe, Soil pipe
- List out various components of doors.
- Enlist various software used in Building construction.
- Which are the different grades of steel?
- Differentiate between OPC cement and PPC cement.
- Which are the different materials used in Building construction?
- Give difference between Estimation and Valuation.
- List out different types of Buildings.

----- BEST WISHES -----