



C14-C-407

**4429**

**BOARD DIPLOMA EXAMINATION, (C-14)  
MARCH/APRIL—2018  
DCE—FOURTH SEMESTER EXAMINATION  
BUILDING SERVICES DRAWING**

*Time : 3 hours]*

*[ Total Marks : 60*

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**PART—A**

4×5=20

- Instructions :** (1) Answer **all** questions.  
(2) Each question carries **four** marks.

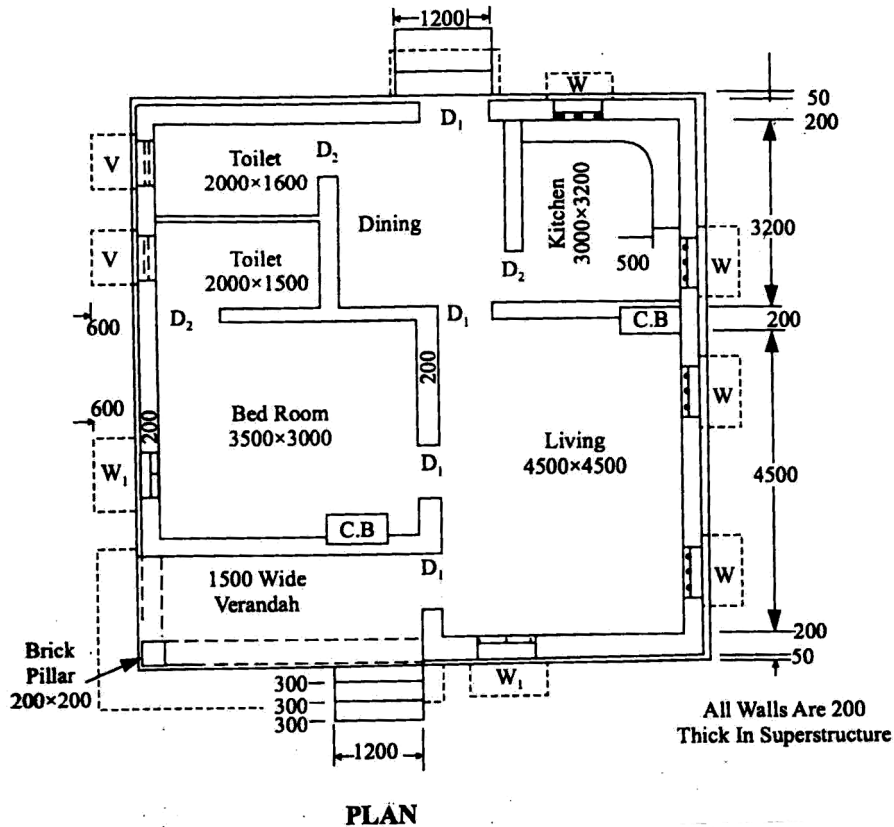
1. Draw the plan of standard rain-water harvesting pit.
2. Draw the water supply pipe network diagram for a toilet.
3. Draw the wiring diagram for a 2-way switch.
4. Draw the electrical layout in a bedroom and label the parts.
5. Draw the plan of a lift with showing the parts.

**PART-B**

5×10=50

- Instructions :** (1) Answer *any five* questions.  
 (2) Each questions carries **twenty** marks.

6. Draw the plan and cross-section of sanitary network diagram for the given residential building to 1:50 scale:



7. (a) Draw the typical layout of a solar water heating system. 15

(b) Draw the symbols for—

- (i) condenser;
- (ii) pipe coil;
- (iii) air filter;
- (iv) rotary pump;
- (v) axial fan;

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