

C14-C-407

4424

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

BUILDING SERVICES DRAWING

Time: 3 hours [Total Marks: 60

PART—A

 $4 \times 5 = 20$

Instructions: (1) Answer **all** questions.

- (2) Each question carries four marks.
- (3) Assume suitable data, if any.
- 1. Sketch the water supply connections to a kitchen room.
- 2. Draw the layout and network diagram for a motor room.
- **3.** Draw the conventional symbols for the following electrical items :
 - (a) Energy meter
 - (b) Socket outlet two pin 5 amp
 - (c) Bell push
 - (d) Main-fuse board without switches lighting
- **4.** Draw the wiring diagram with the connections for two-way switch.
- **5.** Draw the line diagram of year round air-conditioning system.

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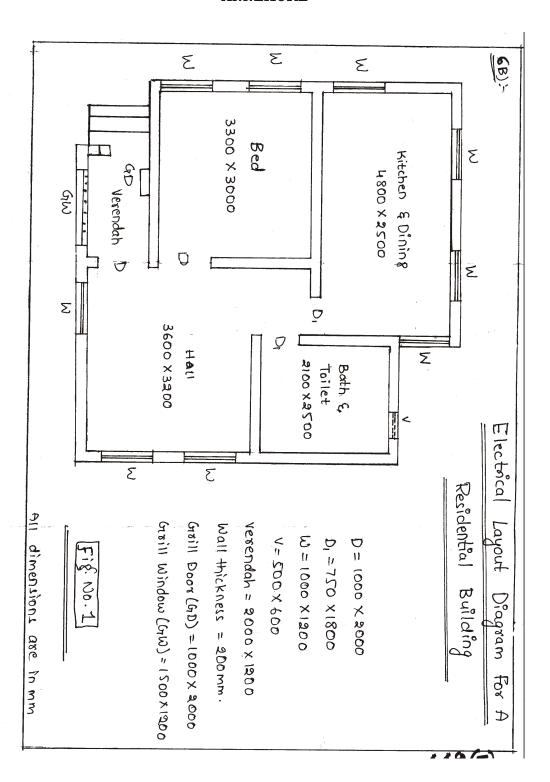
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Instructions: (1) Answer **all** questions.

- (2) Assume suitable data, if any.
- **6.** (a) Draw the plan and cross-section of a rain-water harvesting pit in a residential building. 5+10=15
 - (b) Draw the electrical layout diagram for a residential building shown in Fig. 1 (Page No.3) and indicate the following electrical connections:
 - (i) Tube light
 - (ii) Socket with three outlets
 - (iii) Bell
 - (iv) Two-way switch
 - (v) Ceiling pendent
- **7.** Draw the cross-section of a lift well and motor room sharing the lift machine accessories. 5+10=15

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ANNEXURE



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