



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

4×5=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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[Contd...

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PART—B

25+15=40

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 : 10
- (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

