

*



c14-c-407

4429

BOARD DIPLOMA EXAMINATION, (C-14)

MARCH/APRIL—2017

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.

1. Draw the conventional symbols for the following :

- (a) Ceiling fan
- (b) Tube light
- (c) Exhaust fan
- (d) Pendant light

2. Draw the conventional signs for the following :

- (a) IWC
- (b) Tap
- (c) Wall mounted urinal
- (d) Sink with drain board

3. Draw electrical wiring diagram for a three-phase, 3 HP motor used for an agricultural pump set.

4. Draw the cross-section of a rain water harvesting pit for a residential building.

5. Draw the plan of lift room and show its various parts.

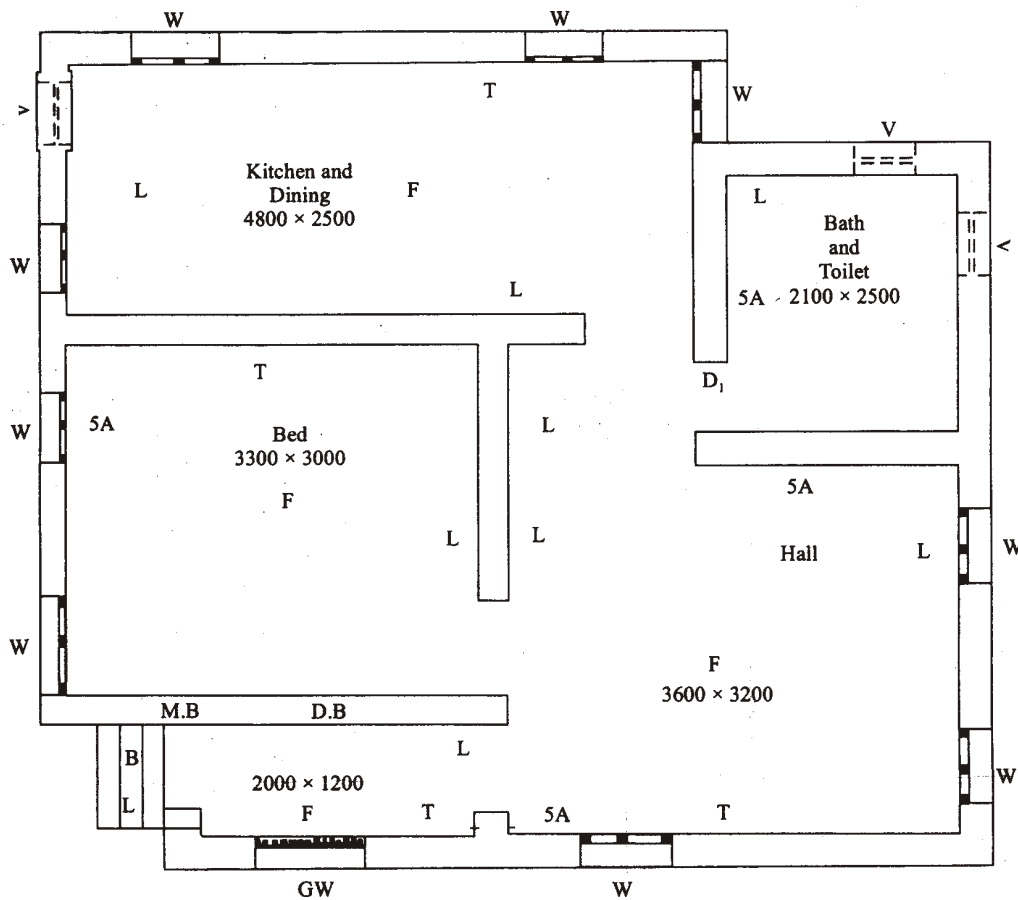
PART—B

20×2=40

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

(2) Each question carries **twenty** marks.

6. (a) Draw electrical wiring diagram in a single bedroomed residential building as shown in the diagram below :



- (b) Draw the pipe networking diagram for a motor room. Assume suitable data.

10+10

7. (a) Draw the cross-section of ducting air-conditioning system for a cinema theatre.

- (b) Draw a typical layout of a closed loop and forced circulated solar water-heating system.

10+10

★ ★ ★