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C14-C-407

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BOARD DIPLOMA EXAMINATION, (C-14)
MARCH/APRIL—2021
DCE - FOURTH SEMESTER EXAMINATION
BUILDING SERVICES DRAWING

Time : 3 hours]

[Total Marks : 60

PART—A

5×4=20

Instructions : (1) Answer *any four* questions.

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

(3) Need not be drawn to be scale.

(3) Any missing data may be assumed suitably.

1. Draw a plan of an Indian type water closet connection to a convenient scale.
2. Draw the plan of rain water harvesting pit.
3. Draw the conventional signs for the following electrical fittings :
 - (a) 3 pin 15 amp socket outlet
 - (b) Tube light
4. Draw the conventional signs for the following electrical fittings :
 - (a) Power plug
 - (b) Light bracket
5. Draw the shape of P-trap with a convenient scale.

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6. Draw the conventional signs for the following :

(a) European water closet

(b) Wall mounted urinal

7. Draw the simplified diagram of solar water heater.

PART—B

20+20=40

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

(2) The drawing must be the scale.

(3) Any missing data may be assumed suitably.

8. Draw the pipe networking diagram for a motor room. Assume suitable data. 20

OR

9. Draw the line diagram of a sanitary block plan to a suitable scale. 20

10. Draw a typical layout of a closed loop and forced circulated solar water-heating system. 20

OR

11. Draw the cross section for the lift motor room. 20

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