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Fifth Semester B.E. Degree Examination, December 2019
(CIVIL ENGINEERING)

COMPUTER AIDED BUILDING PLANNING AND DRAWING

Time: 3 Hours

Max. Marks: 100

- Note: 1. Answer any *TWO* full questions as per INTERNAL CHOICE.
2. Assume any missing data suitably.

Q1 Draw the cross section of Lintel beam and chejja for the following details.

- Size of opening of the window=1.5m
Bearing of lintel=0.2m
Thickness of wall=0.23m
Depth of lintel beam=0.2m
Projection of chejja=0.6m
Thickness of chejja at face of lintel=100mm and at end 50 mm.
Reinforcement details in lintel at bottom= 3#10@ top
Stirrups 2LVS 8mm dia @ 150 mm C/C
Chejja main #8@100 mm C/C Distribution 6mm dia @ 150 mm C/C

(40 Marks)

OR

Q2. Draw the Cross section of a Divided Highway in urban area having width of pavement 10.5 m foot path 3m cycle track 3.8 m and reserve space 1.2 meter and area separator or divider 6m in width.

(40 Marks)

Q3. The line diagram of a residential building is given in Fig Q.3. Draw to scale the following:

- Plan at sill level.
- Front elevation.
- Section along XX.
- Schedule of openings.

(60 Marks)

OR

Q4. The line diagram of Residential building is given in Fig Q.4. Draw to scale the following:

- Plan at sill level.
- Front elevation.
- Section along XX.
- Schedule of openings.

(60 Marks)

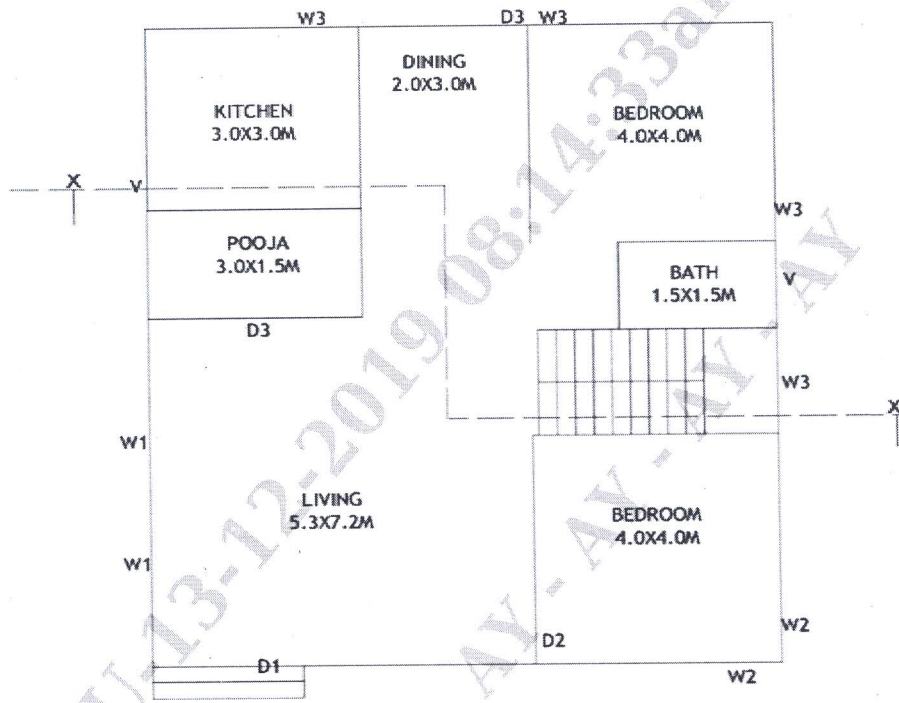


Fig Q.3.

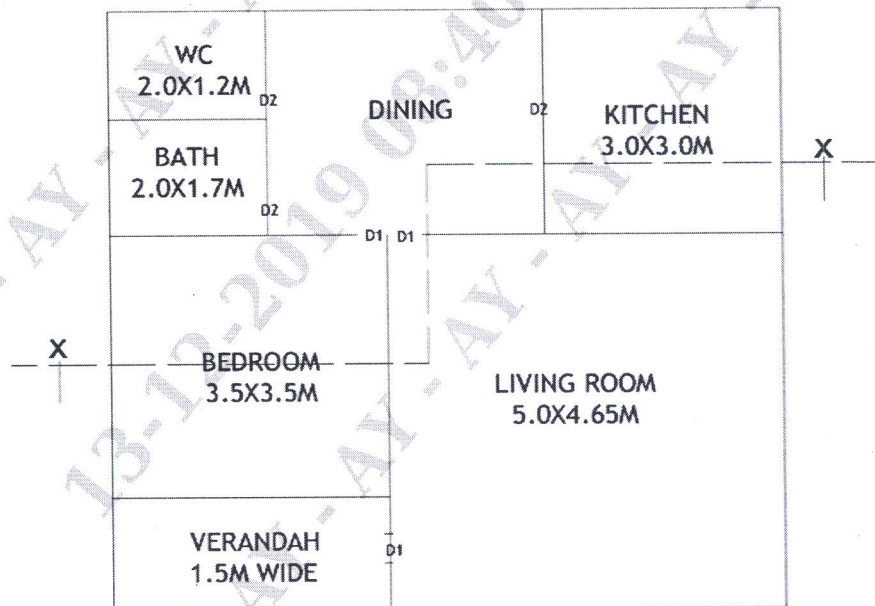


Fig Q.4.