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Roll No. ....

**3rd Sem / Civil  
Subject:- Building Drawing**

Time : 3Hrs.

M.M. : 100

**SECTION-A**

**Note:** Objective type questions. All questions are compulsory  
(10x2=20)

- |      |   |       |
|------|---|-------|
| Q.1  | Draw the symbol of "Earth Work"                       | (CO1) |
| Q.2  | Draw "King Closer"                                    | (CO2) |
| Q.3  | Draw the symbol of a " Single leaf single swing door" | (CO4) |
| Q.4  | Draw the symbol of a "Building"                       | (CO5) |
| Q.5  | Draw the symbol of a "Bed"                            | (CO6) |
| Q.6  | Draw the symbol of "Brick Work"                       | (CO7) |
| Q.7  | Draw the symbol of an " Exhaust Fan"                  | (CO8) |
| Q.8  | Draw the symbol of a " Soil Pipe"                     | (CO9) |
| Q.9  | Draw the symbol of an "Almirah"                       | (CO4) |
| Q.10 | Draw the symbol of "Wire Mesh"                        | (CO1) |

**SECTION-B**

**Note:** Short answer type questions. Attempt any five questions out of eight questions. (5x10=50)

- |      |  |        |
|------|--|--------|
| Q.11 | Draw the section of a simple spread foundation with plinth projection for "One and half brick thick wall" by applying the thumb rule method.                       | (CO1)  |
| Q.12 | Draw the plan of corner L-Joint of one brick thick wall in English bond.   | (CO2)  |
| Q.13 | Draw the elevation of a segmental arch for 1.20m span.   | (CO3)  |
| Q.14 | Draw the front elevation of a Single Leaf Fully Glazed Door of size 900 mm X 2100 mm.  | (CO4)  |
| Q.15 | Draw the sectional elevation of a foundation with DPC for one brick thick outer wall of a room. (Apply the thumb rule method)                                      | (CO5)  |
| Q.16 | Draw the section of a vitrified tile floor at ground level.  | (CO7)  |
| Q.17 | Draw the section of a flat roof showing the provisions of heat/thermal insulation.   | (CO8)  |
| Q.18 | Show the provisions of damp proofing details (sectional elevation) of an overhead water tank size 2mX2mX1.5 m made up of RCC Walls used for domestic water supply. | (CO11) |

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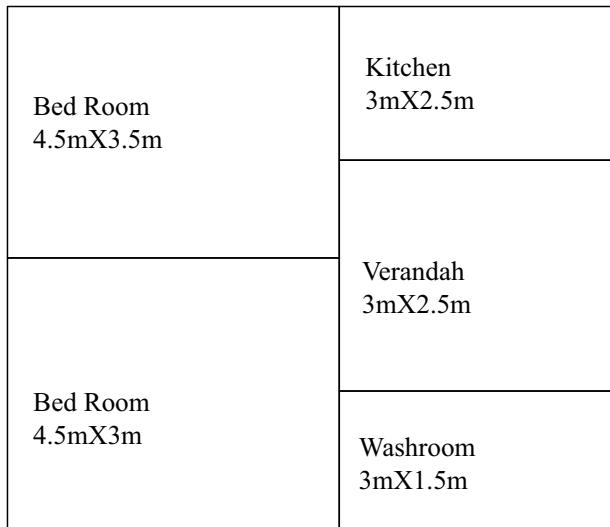
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## **SECTION-C**

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x15=30)

- Q.19** Draw the detailed plan of a small residential building as shown in Fig. -1 . (CO6)



- Q.20** Draw the sectional details of the damp proof arrangements for the roof of a buildings per BIS code having the roof size of 10mx12m and also show the rain water pipe installation details. (CO9)

- Q.21** Draw the section of a basement with RCC wall (200 mm thick) and flooring, showing the details of damp proofing for it. (CO10)

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