

No. of Printed Pages : 4  
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180736/170736

**Civil Engineering**  
**Subject : Building Drawing**

Time : 3 Hrs.

M.M. : 100

**SECTION-A**

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

- Q.1 Define foundation (CO1)  
Q.2 Draw the symbol of brick. (CO1)  
Q.3 Draw the symbol of queen closer. (CO2)  
Q.4 Define cavity wall. (CO3)  
Q.5 Define English bond. (CO4)  
Q.6 Draw the symbol of window. (CO6)  
Q.7 Define nominal size of brick. (CO3)  
Q.8 Draw the symbol of wood. (CO8)  
Q.9 Define thumb rule. (CO1)  
Q.10 Draw the symbol of surface drain. (CO9)

(1)

180736/170736

**SECTION-B**

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

- Q.11 Draw the section of simple spread foundation without plinth projection for 300 mm thick wall by using thumb rule method. (CO1)  
Q.12 Draw the plan of corner junction (L-joint) of a 300 mm thick wall in English bond (CO2)  
Q.13 Draw the elevation of segmental arch. (CO3)  
Q.14 Draw the elevation and sectional plan of flush door. (CO4)  
Q.15 Draw the section of conglomerate floor (concrete floor). (CO7)  
Q.16 Draw the section of flat roof showing the provision of heat/thermal insulation. (CO8)  
Q.17 Draw the sectional elevation for a room foundation having wall thickness as one Brick thick with DPC. (CO5)

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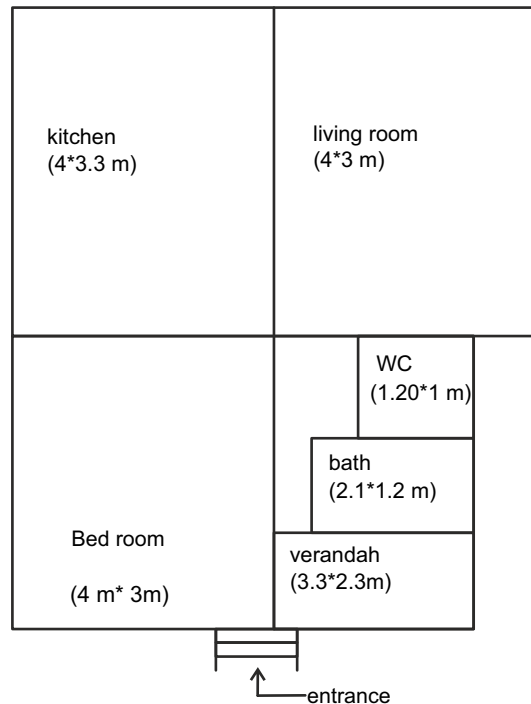
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Q.18 Draw the section of a rain water pipe installation of a building. (CO9)

### 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 elevation and sectional plan of a framed and panelled door. (CO4)

Q.21 Draw the section of a basement with RCC wall and flooring showing the details of damp proofing for it.

(3)

180736/170736

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180736/170736