

No. of Printed Pages : 4
Roll No.

180736/170736

3rd Sem / Branch : Civil Engineering

Subject:- BUILDING DRAWING

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Objective type questions. All questions are compulsory **10x2M=20M**

- Q.1 Draw the symbol of "Brick Work" (CO-1)
Q.2 Draw "Frog of a Brick" (CO-2)
Q.3 Draw the symbol of a "Double leaf double swing door" (CO-4)
Q.4 Draw the symbol of a "Building" (CO-5)
Q.5 Draw the symbol of "stairs" (CO-6)
Q.6 Draw the symbol of "Earth Work" (CO-7)
Q.7 Draw the symbol of an "Exhaust Fan" (CO-8)
Q.8 Draw the symbol of a "Pipe under floors" (CO-9)
Q.9 Draw the symbol of a "Door Opening" (CO-4)
Q.10 Draw the symbol of "sand" (CO-1)

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SECTION-B

Note: Short answer type Question. Attempt any five questions out of eight questions **5x10M=50M**

- Q.11 Draw the section of a simple spread foundation without plinth projection for "one and half brick thick wall" by applying the thumb rule method (CO-1)
Q.12 Draw the plan of corner L-joint of one brick thick wall in Flemish bond. (CO-2)
Q.13 Draw the elevation of a circular arch for 1.20m span. (CO-3)
Q.14 Draw the front elevation of a single Leaf Doubled Panelled Door of size 900mm X 2100mm with wooden board panels. (CO-4)
Q.15 Draw the sectional elevation of a foundation with DPC for one brick thick inner wall of a room (Apply the thumb rule method). (CO-5)
Q.16 Draw the section of a verified tile floor at first floor level. (CO-7)

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Q.17 Draw the section of a flat roof showing the provisions of heat/ thermal insulation. (CO-8)

Q.18 Show the provision of damp proofing details (sectional elevation) of an overhead water tank size 2mX2mX1.5m made up of RCC walls used for domestic water supply. (CO-11)

SECTION-C

Note: Long answer questions. Attempt any two questions out of three questions. 2x15M=30M

Q.19 Draw the detailed Plan of a small residential building as shown in fig. -.1 (CO-6)

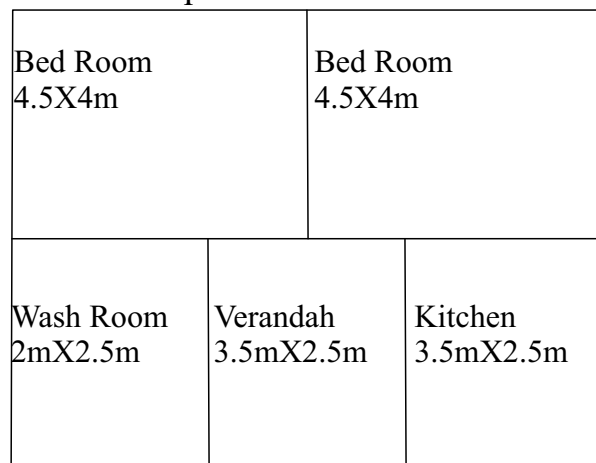


Fig. -.1

Q.20 Draw the sectional details of the damp proof arrangement for the roof of a Multi purpose Hall of size 40mX15m as per BIS code and also show the rain water pipe installation details. (CO-9)

Q.21 Draw the section of a basement with RCC wall (300mm thick) and flooring, showing the details of damp proofing for it. (CO-10)

Note: Course Outcome (CO) mentioned in the question paper is for official purpose only.