

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**

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|------|--|--------|
| 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) |

SECTION-B

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

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|------|--|--------|
| 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. $2 \times 15M = 30M$

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

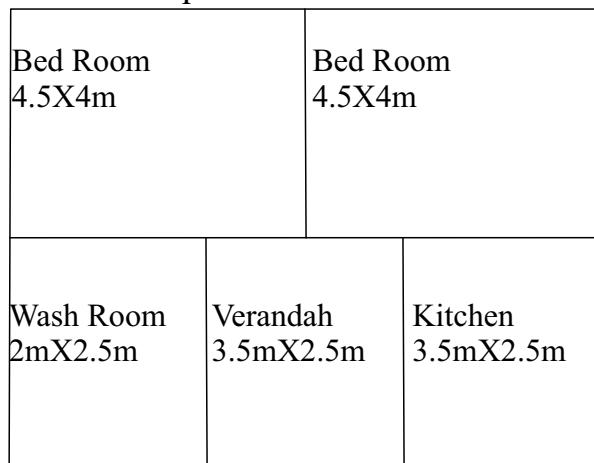


Fig.-1

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.