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220725

**2nd Sem. / Civil Engineering**  
**Subject : Civil Engineering Practices**

Time : 3 Hrs.

M.M. : 60

**SECTION-A**

**Note:** Very Short answer type questions. Attempt any eight questions out of ten questions. (8x1=8)

- Q.1 Define thumb rule for spread foundation (CO1)  
Q.2 Draw the symbol of queen closer (CO2)  
Q.3 Draw the symbol of single leaf single swing door (CO4)  
Q.4 Draw the symbol of glass in engineering drawing (CO4)  
Q.5 Define plinth portion in building (CO5)  
Q.6 Define damp proof course (CO6)  
Q.7 Draw the symbol of concrete (CO7)  
Q.8 Define canal head work (CO8)

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- Q.9 Draw the symbol of earth (CO10)  
Q.10 The roof of the house is used as the catchment for collecting\_\_\_\_\_? (CO12)

**SECTION-B**

**Note:** Attempt any five questions out of eight questions. (8x5=40)

- Q.11 Draw the section of a simple spread foundation with plinth projection by applying thumb rule method of the 200 mm thick wall and showing 40 mm thick DPC with C.C (1:2:4) with two coat of hot bitumen at plinth level. (CO1)  
Q.12 Draw the plan of corner junction of a 1-Brick thick wall in English bond with queen closer. (CO2)  
Q.13 Draw the elevation of circular brick arch. (CO3)  
Q.14 Draw the elevation and sectional plan of fully glazed shutter round bar handle door size 800 X1900 mm. Assume suitable data. (CO4)

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Q.15 Draw the section of a basement with RCC wall and flooring showing the details of Damp proofing for it.

(CO6)

Q.16 Draw the cross-section of zoned earthen dam.

(CO10)

Q.17 Draw the cross-section of cavity tubewell. (CO11)

Q.18 Draw layout and cross-sectional of rainwater harvesting system used in individual houses. (CO12)

### SECTION-C

**Note:** Attempt any one questions out of two questions.

(1x12=12)

Q.19 Draw the front elevation and sectional plan of framed and panelled door 1200 X 2100 mm in size.

(CO4)

Q.20 Draw the cross-section of a lined channel, fully in filling. The lining consist of 12 mm thick cement concrete (1:4). The total thickness of lining is 124 mm.

use any other missing data, not given, as per standard specification:

Bed Width = 2.50,

F.S.L Depth = 900 mm

Free Board = 750 mm

Side slope in cutting 1.50:1 (CO7)

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