

No. of Printed Pages : 4
Roll No.

220725

2nd Sem / Civil

Subject : Civil Engineering Practices

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Objective/ Completion type questions. All questions are compulsory. (7x2=14)

- Q.1 A door and window has a leaf and frame provided with _____ to make it possible to close and open it.
(Post/ Hinges)
- Q.2 Weir is a solid barrier constructed across the river.
(True/False)
- Q.3 Draw the symbol of "Wood Work".
- Q.4 Draw the symbol of "Compacted Earth Work".
- Q.5 Draw the symbol of "Concrete Work".
- Q.6 Draw "Frog of a brick"
- Q.7 Draw the symbol of a "Sliding Door".

SECTION-B

Note: Short answer type questions. Attempt any six questions out of eight questions. (6x6=36)

- Q.8 Draw the section of a simple spread foundation with plinth projection for “One and half brick thick wall” by applying the thumb rule method.
- Q.9 Draw the plan of corner L-Joint of One brick thick wall in English bond.
- Q.10 Draw the elevation of a segmental arch for 1.75 m span.
- Q.11 Draw the sectional details of the damp proof arrangements for the rain water pipe installation and khurra details of a flat roof.
- Q.12 Draw the cross-section of a channel in full cutting with the following data:
R.L. of natural surface = 100.00, R.L. of bed level = 99.00,
R.L. of F.S.L. = 100.00, R.L. of road = 100.20, Free Board = 0.50 m
(by assuming or calculating the missing data as per specifications)
- Q.13 Draw the layout of a canal head regulator. (by assuming the suitable data)
- Q.14 Draw the cross-section of a strainer type tube well.

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- Q.15 Draw the cross section of rain water harvesting system required for a one room set building.

SECTION-C

Note: Long answer type questions. Attempt any one questions out of two questions. (10x1=10)

- Q.16 Draw the section of a basement with RCC wall (300 mm thick) and RCC flooring showing the details of damp proofing from internal and outer side of the walls.
- Q.17 Draw the X-section of a diaphragm type earthen dam, by assuming the suitable data.

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