

No. of Printed Pages : 2

180746/170746

Roll No.

4th Sem. Branch : Civil

**Subject : Water Supply and Waste Water Engineering
and Irrigation Engineering Drawing / Public Health
Irrigation Engg. Drg.**

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Multiple Choice Questions. All Questions are compulsory. (10x2=20)

- Q.1 Draw the symbol of Plain Kitchen sink. (CO1)
Q.2 Draw symbol of foot bath. (CO2)
Q.3 Define weir. (CO5)
Q.4 Draw symbol of Wall Lavatory Basin. (CO3)
Q.5 Define Dam. (CO2)
Q.6 Draw symbol of Pedestal urinal. (CO1)
Q.7 Draw symbol of Man Hole. (CO8)
Q.8 Draw Symbol of Earth. (CO9)
Q.9 Define canal head works. (CO8)
Q.10 Define cross regulator system. (CO6)

(1)

180746/170746

SECTION-B

Note: Short answer type Questions. Attempt any five questions out of eight Questions. Assume suitable data. (5x10=50)

- Q.11 Draw a typical cross-section of a unlined canal Partly cutting and Partly filling. (Assume Suitable data) (CO1)
Q.12 Draw cross-section of open drain (u-shaped) with their foundation. (CO1)
Q.13 Draw a layout plan of a canal head works. (CO6)
Q.14 Draw a cross-section of a weir. (CO5)
Q.15 Draw Cross-Section of Masonry sewer egg shaped. (Assume Suitable Data) (CO7)
Q.16 Draw detailed section of gully trap. (CO5)
Q.17 Draw cross - section of Earthen Dam (Zoned Type). (CO3)
Q.18 Draw Rainwater Harvesting system in a house layout. (CO1)

SECTION-C

Note: Long answer type Questions. Attempt any two questions out of three Questions. Assume suitable data. (2x15=30)

- Q.19 Draw a detailed layout plan of a canal head works. (CO6)
Q.20 Draw a detailed layout plan of a distributary system with two branches and a total length of 1000m, showing the location of sluice gates and water courses. (CO4)
Q.21 Draw detailed plan and section of an Inspection Chamber. (CO2)

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180746/170746