

Lesson Plan

Name of Faculty: - Mr. Vijay Pal/ Mrs. Sunita (Theory and Practical)

Discipline:- Civil Engineering

Semester:- 4th

Subject:- Public Health & Irrigation Engg. Drawing

Lesson Plan Duration:- 15 weeks (from Jan-2019 to Apr-2019)

Work Load:-Practicals-2

WEEK	PRACTICAL	
	PRACTICAL DAY	TOPIC
1st	1st	Drains and Sewers:--Cross section of standard types of open drains (circular, V-shaped and U-shaped) with their foundations -Cross section of earthen ware and RCC sewer pipes -Cross sections of masonry sewers (circular and egg shaped)
	2 nd	Drains and Sewers:--Cross section of standard types of open drains (circular, V-shaped and U-shaped) with their foundations -Cross section of earthen ware and RCC sewer pipes -Cross sections of masonry sewers (circular and egg shaped)
2nd	1st	Traps, manholes and inspection chamber:--Detailed section of floor trap and gully trap -Detailed plan and section of an inspection chamber -Detailed plan and section of a manhole
	2 nd	Traps, manholes and inspection chamber:-2.1--Detailed section of floor trap and gully trap -Detailed plan and section of an inspection chamber -Detailed plan and section of a manhole
3rd	1st	Septic Tank and Soak Pit:-Detailed plan and cross sections of a domestic septic tank with soak pit for 5-10 users
	2 nd	Septic Tank and Soak Pit:-Detailed plan and cross sections of a domestic septic tank with soak pit for 5-10 users
4th	1st	Bath room and W.C connections:--Cross-section through the external wall of lavatories at ground and first floor showing the one and two pipe system and the connections of the lavatory to inspection chamber
	2 nd	Plan of a bathroom showing positions of lavatory, bath tub, wash-basin, taps and showers
5th	Sessional test 1 st	
6th	1st	Draw sectional elevation of a two storeyed building showing details of one pipe and two pipes systems with sanitation system.
	2 nd	Draw sectional elevation of a two storeyed building showing details of one pipe and two pipes systems with sanitation system.
7th	1st	Practice of reading water supply and sanitary engineering working drawings (PWD/urban Development agencies) including hot water and cold water supply system of a two room set.
	2 nd	Practice of reading water supply and sanitary engineering

		working drawings (PWD/urban Development agencies) including hot water and cold water supply system of a two room set.
8th	1st	Typical cross-section of a channel -L-section of a channel for given data -Typical cross section of an unlined and lined channel in cutting, partly cutting and partly filling and fully in filling with given design data.
	2 nd	Typical cross-section of a channel -L-section of a channel for given data -Typical cross section of an unlined and lined channel in cutting, partly cutting and partly filling and fully in filling with given design data.
9th	1st	Layout plan of a canal head works
	2 nd	Layout plan of a canal head works
10th	Sessional test 2 nd	
11th	1st	Draw the typical L-section of a weir
	2 nd	Draw the typical L-section of a weir
12th	1st	Draw the X-section of an Earthen Dam i)Homogeneous ii)Zoned type iii)DiapPeriodsagm type
	2 nd	Draw the X-section of an Earthen Dam i)Homogeneous ii)Zoned type iii)DiapPeriodsagm type
13th	1st	Cross section of a tube well
	2 nd	Cross section of a tube well
14th	1st	Layout and cross section of rain water harvesting system.
	2 nd	Layout and cross section of rain water harvesting system.
15th	Sessional 3 rd	