
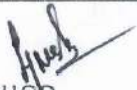


SYNERGY POLYTECHNIC, BBSR

the Lesson Plan

Discipline:	Semester:	Name of the Teaching Faculty:
Subject:	No of Days/per week class allotted:	Semester from Date: to Date: No of Weeks:
Week	Class Day	Theory/Practical Topics
1st	1st	Different types of valves.
	2nd	Method of connections from water source to Building.
	3rd	Water Supply of single and multi storied building <small>at Per 1st floor</small>
	4th	Aims and objective of Sanitary engg with terms.
	5th	Systems of collection of wastes.
2nd	1st	Quantity of Sanitary Sewage with numericals
	2nd	Computation of size of sewer with self-cleaning velocity.
	3rd	Characteristics of sewage, Physical, Chemical and bio.
	4th	<u>do</u>
	5th	Concept of DO, BOD and COD
3rd	1st	<u>do</u>
	2nd	Shape of sewer and laying of sewer
	3rd	Details of Manholes and Lamp holes
	4th	Inlets, Grease and oil traps.
	5th	Disposal of sewage on land.
4th	1st	Disposal of sewage with dilution.
	2nd	Primary treatment
	3rd	Secondary treatment
	4th	Details about building drainage.
	5th	Plumbing arrangements.
5th	1st	Sanitary fixtures.
	2nd	
	3rd	
	4th	
	5th	


Sign of Faculty


HOD



Principal 27/1/22

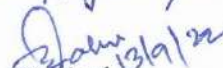
SYNERGY POLYTECHNIC, BBSR

on Plan

Line: CIVIL ENGG.	Semester: 5th	Name of the Teaching Faculty: Anshuman Mishra
Subject: Water Supply and Waste Water Engg.	No of Days/per week class allotted: 05	Semester from Date: 15.09.2022 to Date: No of Weeks:
Week	Class Day	Theory/Practical Topics
1st	1st	Necessity of water supply, Per Capita demand & factors affecting it.
	2nd	Different type of forecasting of population with Problem.
	3rd	— do —
	4th	— do —
	5th	Impurities of RQ water
2nd	1st	Analysis of water.
	2nd	Water quality standards for different use.
	3rd	Different types of Source of water.
	4th	Calculation of yield from well.
	5th	Types of intakes.
3rd	1st	Pipe materials with details.
	2nd	Pipe Joint.
	3rd	Flow diagram of conventional water treatment system.
	4th	Aeration and etc Necessity.
	5th	Plain Sedimentation
4th	1st	— do —
	2nd	Sedimentation with coagulation.
	3rd	— do —
	4th	Filtration of water
	5th	— do —
5th	1st	Disinfection of water
	2nd	— do —
	3rd	Softening of water.
	4th	Type of distribution system.
	5th	Method of water supply with layout system.


Sign of Faculty


HOD


Principal 13/9/22