

Department of Civil Engineering
Govt. Polytechnic for Women Rehan
Distt. – Kangra (H.P.) - 176022



LESSON PLAN

Program Name	Civil Engineering
Subject Name	Public Health Engineering Lab
Subject Code	CEPC306
Semester	4 th
Subject Teacher Name	Amit Thakur

Evaluation Scheme

Sr. No.	Subject Name	Study scheme (Hrs/Week)		Marks in Evaluation Scheme					
				Internal Assessment			External Assessment		
		Th	Pr	Th	Pr	Total	Th	Pr	Total
1.	Public Health Engineering Lab	-	2	-	40	40	-	60	60
Reference Books		(i) Sharma S.C, Environmental Engineering, Khanna Publishing House, N (ii) 6. Punmia, B C, Environmental Engineering, vol. I and II, Laxmi Publishers (iii) Sharma S.C, Environmental Engineering, Khanna Publishing House, New Delhi 2. Garg, S.K., Environmental Engineering Vol. I and Vol. II, Khanna Publishers							

Course Outcomes (COs)

CO - 1	To learn the tests for measuring quality of drinking water.
CO - 2	To learn the tests for measuring properties of sewage.
CO -3	Perform various tests to assess quality of water.
CO -4	Estimate dissolved solids as per BIS codes
CO 5	Draw line diagram of water pipeline system for a locality


gh


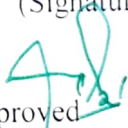
Practical List	1. Name of Topic	Proposed Dated		Actual Date		Remarks
		Group-1	Group-2	Group-1	Group-2	
1	Determine pH value of given sample of water	31/01/2026	27/01/026 03/02/2026			
2	Determine the turbidity of the given sample of water	07/02/2026	10/02/2026 17/02/2026			
3	Determine residual chlorine in a given sample of water	21/02/2026	24/02/2026			
4	Determine suspended, dissolved solids and total solids of given sample of water.	28/02/2026	03/03/2026 10/03/2026			
5	Determine the dissolved oxygen in a sample of water	07/03/2026	17/03/2026 24/03/2026			
6	Undertake a field visit to water treatment plant and prepare a report	28/03/2026	31/03/2026			
7	Determine the optimum dose of coagulant in a given raw water sample by jar test	04/04/2026 18/04/2026	07/04/2026 21/04/2026			
8	Draw sketches of various valves used in water supply pipeline	25/04/2026	28/04/2026			
9	Draw a sketch of one pipe and two pipe system of plumbing	02/05/2026	05/05/2026			
10	Prepare a report of a field visit to sewage treatment plant	23/05/2026	19/05/2026 26/05/2026			

78

House Test/Class Test

Name of test	Syllabus for Tests	Proposed Date	Actual Date	Remarks
Class Test -1	-	As per HPTSB Academic Schedule		
Class Test -2	-			
House Test - 1	-			


(Signature of Teacher)
Amit Thakur


(Signature of HOD)

Approved
Principal
Govt. Polytechnic for Women
Rehan Distt. Kangra (H.P.)