

P P-SAVANI UNIVERSITY

Sixth Semester of B. Tech. Examination (Backlog)

November 2022

SECV3101 Water & Waste Water Engineering

03.12.2022, Saturday

Time: 01:00 p.m. To 03:30 p.m.

Maximum Marks: 60

Instructions:

1. The question paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.
3. Make suitable assumptions and draw neat figures wherever required.
4. Use of scientific calculator is allowed.

SECTION - I

		CO	BTL
Q - 1	Describe the various method to forecast population.	[05]	1 2
	Or		
	Enlist various sources of water and their suitability.		
Q - 2	Explain various type of water demand in detail.	[05]	1 2
Q - 3	Describe water supply system step by step.	[05]	2 2
Q - 4	Enlist various types of pipes and valve used in conveyance system, its suitability.	[05]	2 2
Q - 5	Write down short note on method of water distribution.	[05]	2 1
Q - 6	Explain type of reservoirs.	[05]	2 2

SECTION - II

Q - 1	What is manhole? Write down its necessity and its type.	[05]	3 2
	Or		
	Explain classification of drain with neat figure.		
Q - 2	Write the short note on the method of conveyance.	[05]	3 2
	Or		
	Write down the important safety measures to be adopted while cleaning and maintenance of sewer.		
Q - 3	Explain the Significance of COD and BOD test.	[05]	4 2
Q - 4	Write down various characteristic of sewage.	[05]	5 2
Q - 5	Compare various plumbing system.	[05]	3 2
Q - 6	Write down types of traps explain anyone.	[05]	2 1

CO : Course Outcome Number

BTL : Blooms Taxonomy Level

Level of Bloom's Revised Taxonomy in Assessment

1: Remember	2: Understand	3: Apply
4: Analyze	5: Evaluate	6: Create