5TH SEM./CIVIL./ 2024(S)

TH- 4 Water supply & Waste Water Engineering

Full		- 1			ng Q No.1& ndicates ma		Hrs
1. a. b. c.	Answer All questions What should be the PH of portable water?. Define specific yield? What is self cleaning velocity?.						
d. e. f.	What are the diff What is aquifer Define sewage f	and their typ		alating popu	llation growth	?	
g. h. i. j.	Mention different Write down the What do you me What is the fund	nt types of to cause of blu ean by cone	e baby disea of depression	ase?	270932		
2. a. b. c.	Answer Any six Questions Write down about the physical characteristic of portable water? Explain break point chlorination. Write the short notes on 1) Manhole 2) Gully trap.						6 x 5
d. e. f g	Write down the difference between water supply pipes and sewer pipes? Explain break point chlorination. Explain the various methods of sludge disposal. Write about the factors affecting per capita demand.						
3	The population of 5 decade from 1930 to 1970 are given below. Find out the population after one, two and three decade beyond the last known decade, by using arithmetic increase method . Year 1930 1940 1950 1960 1970						
240	Polutation Describe the prodiagram.	25000 ocess of prin	28000 nary treatme	34000 ent of sewag	42000 e with help of	47000 flow	10
5201-20 ⁴ / ₅	1973.						10 10
7	Describe the different types of pipes as per material?						10