

PNS School of engineering and technology
Branch : Civil Engineering
SEMESTAR: 5TH
Name of the faculty : SUDEEPTA MISHRA
SUJECT NAME: WS&WE{TH-4}

WEEK	Date	Topic theory
SPETEMBER 2 ND	15.09.22	INTRODUCTION TO WATER SUPPLY
3rd	17.09.22	Demand, percapita,demand, variation in demand and factort affecting demand.
	20.09.22	method of forcasting
	21.09.22	Arithmetical increased method .
	22.09.22	Geometrical increased method .
	24.09.22	Incremental increase method.
	26.09.22	decreasing rate method.
4th	27.09.22	impurites in water organic and inorganic harmful effects of impurities.
	28.09.22	Analntsis of water physical, chemical and biological.
	29.09.22	contineuing the analysis of water.
OCTOBER 2ND	11.10.22	water quality standards for different uses .
	12.10.22	surface sourceas lakes,stream , river and impounded reserivor.
	13.10.22	underground sources aquifer type and occurance.
	15.10.22	infiltration gallery infiltration well,springs ,well.
3RD	18.09.22	yeild from well method of determination. Numerical problem.
	19.10.22	numerical contineuing,.....
	20.10.22	intake -types ,description of river intake reservoir in take canal intake.
	22.10.22	pumps for conveyance and distribution-type,selection installation.
4th	26.10.22	pipe materials- necessity,suitability,merit, and demerits.
	27.10.22	pipes joints- necessity type of joints,suitsbility,method of jointing laying pipes.
	29.10.22	methods contineuing.....
	31.10.22	treatment of water- Aeration necessity.
NOVEMBER	1.11.22	plainedimentation,necessity,working principal.
1ST	2.11.22	sedimentation with coagulation ..necessity ,priciple of coagulation .
	3.11.22	types of coagulants flash mixure,flocculator, clasrifier.
	5.11.22	filtration,necessity,principles,types of filters.
2ND	09.11.22	slow sand filter,rapid sand filter and pressure filter- essential features.
	10.11.22	disinfection-necessicity,methods of disinfection free and cobined chorine demand.
	12.10.22	chlorination -free and combined chlorine demand , availabe chlorine demand available.
3rd	14.11.22	resdual chlorine,prechlorination,break point chlorination,supper chlorination.
	15.11.22	softening of water necessity,method of softening.
	16.11.22	lime soda process and exchange method.
	21.11.22	general requirement type of distribution system.

4TH	22.11.22	method of supply.
	23.11.22	distribution system layout.
	24.11.22	valve-type,feature,uses,purpose.
	26.11.22	method of connection from water main to building supply.
5TH	28.11.22	general layout of plumbing arrangement for water supply.
	29.11.12	waste water engineering Aim and object of sanitary.
	30.11.22	defination of terms releted to sanitary engineering.
1ST DECEMBER	1.12.22	system of collection of waste consevation and water carriage system feature.
	3.12.22	quantity of sanitary sewage.
2ND	5.12.22	computation of size of sewer limiting velocities of sewage characterstics.
	6.12.22	generally importance strength of sewage characterstics.
	7.12.22	cocept of sewage smaping test for solid ,dissovled oxygen.
	8.12.22	sewerage system -types of system.
	10.12.22	shapes of sewer.
3RD	12.12.22	laying of sewer.
	13.12.22	sewer appearance and sewage dispossal man holes .
	14.12.22	inlets grease and oil trap.
	15 .12.22	storm regulators inverted siphone.
	17.12.22	dispossal on land disposal by dilution.
4TH	19.12.22	sewage treatment ,principal of treatment ,primary treatment ,secondary treatment.
	20.12.22	requirement of building drainage layout .
	21.12.22	plumbing arrangement of single storied and multistoried building.
	22.12.22	sanitary fixtures,function,maintanance.

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