SHAMBHUNATH INSTITUTE OF ENGINEERING AND TECHNOLOGY DEPARTMENT OF CIVIL ENGINEERING SUBJECT- WATER RESOURCES ENGGINEERING(NCE-702) LECTURE PLAN - AMITESH BHATT

	L a atuma. Na	LECTURE PLAN - AMITESH B
Jnit	Lecture No.	Topic INTRODUCTION TO WATER RESOURCES ENGG.
	2	HYDROLOGICAL CYCLE AND WATER BUDGET EQUATION
	3	QUESTIONS ON WATER BUDGET EQUATION
	4	PRECIPITATION AND ITS FORMS
	5	TYPES OF PRECIPITAION AND MEASUREMENT OF RAINFALL
	6	RAINGAUGE NETWORK AND ADEQUACY OF RAINGUAGES
UNIT 1	7	ERROR IN ESTIMATION AND MISSING DATA ANALYSIS
	8 AND 9	CONSISTENCY OF RAINFALL DATA AND DIFFERENT CURVES
	10 AND 11	QUESTION ON PRECIPITATION
	12	EVAPORATION AND FACTORS AFFECTING EVAPORATION
	13	MEASUREMENT TECHNIQUES
	14	INFILTRATION AND FACTORS AFFECTING
	15	ESTIMATION OF INFILTRATION
	16	QUESTIONS ON INFILTRATION
	17	RUNOFF AND FACTORS AFFECTING
	18	ESTIMATION OF PEAK RUNOFF
	19	RAINFALL RUNOFF RELATIONSHIP
	20	HYDROGRAPH ANALYSIS
	21	BASE FLOW SEPARATION
	22	DIRECT RUNOFF HYDROGRAPH
	23	DEFINITION OF UNIT HYDROGRAPH AND ASSUMPTION
UNIT 2	24	DERIVATION OF UNIT HYDROGRAPH
DINIT Z	25,26 AND 27	QUESTIONS ON HYDROGRAPH
	28	IRRIGATION ITS ADVANTAGES AND DISADVANTAGES
	29 AND 30	METHODS OF IRRIGATION
	31 AND 32	WATER REQUIREMENT OF CROPS
	33	IRRIGATION EFFICIENCIES
	34	QUESTION ON WATER REQUIREMENT
	35 AND 36	CANAL IRRIGATION
	37	IRRIGATION CHANNELS AND ITS TYPES
	38	KENNEDY THEORY FOR CHANNEL DESIGN
	39	QUESTION ON KENNEDYS THEORY
	40	LACEYS THEORY FOR CHANNEL DESIGN
	41	QUESTIONS ON LACEYS THEORY
UNIT 3	42 AND 43	ESTIMATION OF LOADS ON CHANNELS
	44	GARRETS DIAGRAM FOR CHANNEL DESIGN
	45 46	CHANNEL LIINING ITS ADVT.AND DISADVANTAGES
		DESIGN OF LINED CHANNELS
	47 AND 48	WATER LOGGING ITS CONTROL AND DISADVT.
	49 AND 50	CANAL REGULATION WORK AND ITS TYPES
	51 AND 52	IRRIGATION OUTLETS AND ITS TYPES
ا ۸ ۱۱۸۱۱	53	QUESTIONS ON IRRIGATION OUTLETS
UNIT 4	54	RIVER TRAINING -DEFINITION, OBJECTIVE
	55	RIVER TRAINING WORKS
	56	MEANDERING OF RIVER AND ITS PARAMETER
	57 AND 58	METHODS OF RIVER TRAINING WORKS
	59	INTRODUCTION TO GROUNDWATER HYDROLOGY
	60	DIFFERENT PARAMETERS INVOLVE
	61 62	MEASUREMENT OF DISCHARGE THROUGH AQUIFERS WELL HYDRAULICS

B.C.PUNMIA AND K SUBRAMANYA

64 AND 65 TYPES OF WELL

66 WELL IRRIGATION VS CANAL IRRIGATION

67 QUESTIONS ON DICHARGE THROUGH AQUIFERS

	56	MEANDERING OF RIVER AND ITS PARAMETER
	57 AND 58	METHODS OF RIVER TRAINING WORKS
 	59	INTRODUCTION TO GROUNDWATER HYDROLOGY
	60	DIFFERENT PARAMETERS INVOLVE
	61	MEASUREMENT OF DISCHARGE THROUGH AQUIFERS
	62	WELL HYDRAULICS
	63	WELL LOSS, CAPACITY DETERMINATION
	64 AND 65	TYPES OF WELL
	66	WELL IRRIGATION VS CANAL IRRIGATION
	67	QUESTIONS ON DICHARGE THROUGH AQUIFERS