LESSON PLAN - WINTER 2023 SWAMI VIVEKANANDA SCHOOL OF ENGINEERING & TECHNOLOGY, BBSR				
DISCIPLINE-	SEMESTER-5TH	NAME OF THE FACULTY: ER. Abhijit Chand		
UBJECT- HM&IFP	NO. OF CLASS ALLOTE	D/ PER SEM. From date: 01.08.2023 TO 30.11.2023	No of weeks:19TH	
WEEK	CLASS DAY	THEORY TOPIC		
	1.08.2023	Hydraulic Turbines: Definition & classification of hydrau		
IST	2.08.2023	Impulse Turbine, Construction & working principle of impulse turbine		
	3.08.2023	Impulse Turbine, Construction & working principle of impulse turbine		
	4.08.2023	Velocity diagram of moving blades, work done of turbine		
	5.08.2023	Derivation of various efficiencies of impulse turbine		
2ND	7.08.2023	Derivation of various efficiencies of Francis turbine		
	9.08.2023	Derivation of various efficiencies of kaplan turbine		
	10.08.2023	Numerical Problems		
	11.08.2023	Numerical Problems		
	14.08.2023	DO		
3RD	16.08.2023	Distinguish between impulse turbine and reaction turbin	ie	
	18.08.2023	Centrifugal Pumps, Construction and working principle		
	21.08.2023	work done & derivation of various efficiences of centrifu	gal pumps	
	22.08.2023	Numerical Problems		
4TH ·	24.08.2023	Numerical Problems		
	25.08.2023	Working of Single Acting Reciprocating Pump		
	28.08.2023	Working of Single Acting Reciprocating Pump	8	
5TH	29.08.2023	Working of Double Acting Reciprocating Pump	2	
	30.08.2023	Working of Double Acting Reciprocating Pump		
6ТН	1.09.2023	Revision Class		
	4.09.2023	Derive the formula for power required to drive the pump	(Single acting)	
	5.09.2023	Derive the formula for power required to drive the pump	(Double acting)	
7TH	8.09.2023	Define Slip: state positive & negative slip and amp.		
	9.09.2023	Define Slip: state positive & negative slip and amp.		
8ТН	11.09.2023	Establish relation between slip & coefficient of discharge		
	12.09.2023	Numerical Problems		
	13.09.2023	Numerical Problems		
	14.09.2023	Numerical Problems		
	15.09.2023	Monthly Test		
	18.09.2023	Pneumatic Control System		
	21.09.2023	Pneumatic Control System (Filter, regulator, lubrication u	nit)	
9TH	22.09.2023	Pressure control valves		
	23.09.2023	Pressure relief valves, pressure regulation valves		
	25.09.2023	3/2 DCV, 5/2 DCV, 5/3 DCV		
10TH	29.09.2023	Flow control valves, Throttle valves		
11TH	3.10.2023	Fluid power valves		
	5.10.2023	ISO Symbols for Pneumatic components.		
12ТН	9.10.2023	Internal Accessment		
		DO		
	11.10.2023			
	13.10.2023	Hydraulic Control System: its merit and demerits		

3.10.2023 11.2023 11.2023 11.2023 0.11.2023	Hydraulic accumulator of pressure relief valves Hydraulic accumulator of pressure regulation valves Pressure regulation valves, Direction control valves Hydraulic Control system in 3/2DCV, 5/2 DCV,5/3 DCV	
11.2023 11.2023	Hydraulic accumulator of pressure regulation valves Pressure regulation valves, Direction control valves	
11.2023	Pressure regulation valves, Direction control valves	
.11.2023		
	Hydraulic Control System of Flow control valves	
.11.2023	Hydraulic Control System of Throttle valves	
.11.2023	Hydraulic Control System of Flow control valves	
.11.2023	Hydraulic Control System of Fluid Power Pumps (Gear, Vane and Radial Pump)	
.11.2023	ISO Symbols for hydraulic components.	
.11.2023	Actuators, Hydraulic circuits, direct control of single acting cyclinder	
.11.2023	operation of double acting cyclinder	
.11.2023	Operation of double acting cyclinder with metering in & metering out control	
.11.2023	Comparision of hydraulic and pneumatic system	
.11.2023	DO	
	11.2023 11.2023 11.2023 11.2023 11.2023 11.2023 11.2023	

Mechanical Engineering S V S.E.T., Madanpur

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