

LESSON PLAN-2020
SWAMI VIVEKANANDA SCHOOL OF ENGG & TECH, BBSR

Discipline- ELECTRICAL	Semester-3RD	Name of teaching faculty- Rajesh Sahoo
Subject- EME	No class allotted/ per week -5	SEM From date- 01/09/2020 No of weeks- 17
Week	Class day	Theory Topics
1 ST	01.09.20	Introduction about thermodynamics
	02.09.20	State the unit of heat and work.
	03.09.20	Ist law of thermodynamics
	05.09.20	State law of perfect gases.
2 ND	08.09.20	Determine relationship of specific heat of gases at constant volume and constant gases
	09.09.20	TEST ON CHAPTER 1
	10.09.20	Explain properties of steam.
	11.09.20	Explain properties of steam.
	12.09.20	By using steam table to solve simple problems.
3 RD	16.09.20	Explain total heat of wet saturarated steam.
	18.09.20	Explain total heat of dry and super saturated steam.
4 TH	22.09.20	Describe boiler.
	23.09.20	State types of boiler.
	26.09.20	Explain different types of boilers.
5 TH	29.09.20	Describe about Cochran boiler.
	30.09.20	Describe about babcock and Wilcox boiler.
1 ST	03.10.20	Describe about mounting.
	06.10.20	Describe about the accessories.
2 ND	07.10.20	TEST ON CHAPTER 3.
	08.10.20	Explain the principle of simple steam engine.

	09.10.20	Draw the indicator diagram.
	10.10.20	Calculate the mean effective pressure.
3RD	12.10.20	Calculate IHP and BHP.
	13.10.20	Calculate mechanical efficiency
4 TH	14.10.20	Solve simple problems.
	16.10.20	Describe steam turbines.
	19.10.20	1st internal EXAM
	20.10.20	1st internal EXAM
5 TH	21.10.20	1st internal EXAM
	22.10.20	State types of steam turbines.
	26.10.20	Differentiate between impulse and reaction turbine.
1 ST	27.10.20	What is impulse turbine and example of impulse turbine.
	28.10.20	do
2 ND	03.11.20	What is reaction turbine and example of reaction turbine.
	04.11.20	do
	07.11.20	Explain about condenser.
3 RD	09.11.20	Explain the function of condenser.
	10.11.20	State types of condenser.
	11.11.20	Explain working of two stroke petrol engine.
4TH	17.11.20	Explain working of two stroke diesel engine.
	18.11.20	Explain working of 4-stroke petrol engine
	20.11.20	Explain working of 4-stroke diesel engine.
	23.11.20	Difference between two stroke petrol and diesel engine.
	24.11.20	::Difference between four stroke petrol and diesel engine.
5 TH	25.11.20	Describe properties of fluid.
1 ST	27.11.20	assignment

	28.11.20	Determine pressure at a point.
	30.11.20	Determine pressure measuring instruments.
	01.12.20	Deduce equation of continuity of flow.
	02.12.20	Explain energy of flowing liquid.
2 ND	03.12.20	State bernoulli's theorem
	04.12.20	Explain bernoulli's theorem
	05.12.20	Define hydraulic intensifier.
	09.12.20	Define hydraulic lift.
	12.12.20	Define hydraulic accumulator.
	14.12.20	Define hydraulic ram.
HOD		PRINCIPAL