LESSON PLAN

SUB:- ELEMENTS OF MECHANICAL ENGG.

BRANCH:- ELECTRICAL ENGG.

SEMESTER:3rd

SESSION:2022-2023

NAME OF FACULTY: -SUMANTA BISWAL



GOVERNMENT POLYTECHNIC, BHADRAK

HOD G.P.BHADRAK

Co-ordinator Acade

Prinsippal CovvP.oPustopeictAnadrak Bhadrak

	Sth				4 th				3rd				2				14			Week	Subjeet: EME Week			Discipline: ELECTRICAL	
40	3rd	2 nd	1 st	41	3rd	2 nd	1 st	4 th	3rd	2 nd	Ist	4th	3rd	2nd	l st	4 th	3rd	2 nd	14	Class Day	4	allotted:	week class	No. of days/per	Semester: <u>3rd</u>
HIP and BHP and mechanical efficiency.	Calculate Mean effective pressure,	Draw Indicator diagram	Explain the principle of Simple steam engine.	STEAM ENGINES:	Describe accessories	Describe Mountings	Babcock Wilcox boiler,	Describe Cochran	State types of Boilers	BOILERS:	Explain total heat of wet, dry and super heated steam.	Use steam table for solution of simple problem.	PROPERTIES OF STEAM:	at constant volume and constant pressure.	Determine relationship of specific heat of gases	State Laws of perfect gases	1st law of thermodynamics.	State Unit of Heat and work.	THERMODYNAICS:	Theory Lopics.	No of weeks: 15	date:21/01/2023	15/09/2022To	Semester From date:	Name of the TeachingFaculty: <u>SUMANTA BISWAL</u>

	ч . Р	Bemoulli's theorem
41OI	3Lq	State and explain Bemoulli's theorem,.
410 L	puZ	Explain energy of flowing liquid
	ıs I	Deduce equation of continuity of flow
щб	4.p	HADBORINELICS:
40	Jug	, pressure measuring ไทร์ตามรองการ -
	pu Z	Determine pressure at a point, pressure measuring Instruments
C. Standard	Ia	Describe properties of fluid
	tu t	HYDROSTATICS:
	Brd	Differentiate between them,.
ų1 8	puZ	Explain working of two stroke and 4 stroke diesel engine.
	ы	Explain working of two stroke and 4 stroke petrol engine
ųιL	41 F	I'C' ENGINE
	3Lq	State their types, condenser
	puZ	Explain the function of condenser
	Ia	CONDENSES:
419	ψF	2 Differentiate between impure
	3LQ	State Types 2 Differentiate between impulse and reaction Turbine
	puZ	STEAM TURBINES:
	ыI	Solve simple provide a state of the second s

	41 P	Discussion of PYQ
	Jeq	Discussion of PYQ
41SI	puZ	Discussion of PYQ
	I at	Discussion of PYQ
	4ı t	Discussion of PYQ
u†I	3Lq	Discussion of PYQ
	puZ	Discussion of PYQ
	Ia	Revision class.
	417	Revision class.
	Jeq	Revision class.
13tp	puZ	Revision class.
	Ia	Revision class.
	41 7	Revision class.
41 7 1	3Lq	Revision class.
quer	puZ	Revision class.
	1 st	Hydraulic ram.
	41 1 7	Accumulator
	3rd	Hydraulic lift.
μΠ	puZ	Intensifier
	18 L	HADKAULIC DEVICES AND PNEUMATICS: