LESSON PLAN

DEPARTMENT OF MECHANICAL ENGINEERING, ITT, CHOUDWAR

SUBJECT: MECHANICAL ENGG LAB-II

Periods: 6 per week for a group **No. of weeks:** 15 **SEMESTER:** 4th

NAME OF FACULTY: MANORANJAN PANDA, Instructor (Mech)

Class Day (2hrs./day)	Week	Theory / Practical Topics
1st	1st	1. Study of 2-S petrol & diesel engine models
2nd		Study of 2-S petrol & diesel engine models
1st	2nd	Study of 2-S petrol & diesel engine models
2nd		2. Study of 4-S petrol & diesel engine models
1st	3rd	Study of 4-S petrol & diesel engine models
2nd		Study of 4-S petrol & diesel engine models
1st	4th	3. Determine the brake thermal efficiency of single cylinder petrol engine.
2nd		Determine the brake thermal efficiency of single cylinder petrol engine.
1st	5th	Determine the brake thermal efficiency of single cylinder petrol engine.
2nd		4. Determine the brake thermal efficiency of single cylinder diesel engine.
1st	6th	Determine the brake thermal efficiency of single cylinder diesel engine.
2nd		Determine the brake thermal efficiency of single cylinder diesel engine.
1st	7th	5. Determine the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test.
2nd		Determine the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test.
1st	8th	Determine the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test.
2nd		Study of pressure measuring devices (manometer, Bourdon tube pressure gauge)
1st	9th	Study of pressure measuring devices (manometer, Bourdon tube pressure gauge)
2nd		Study of pressure measuring devices (manometer, Bourdon tube pressure gauge)
1st	10th	7. Verification of Bernoulli's theorem .
2nd		Verification of Bernoulli's theorem.
1st	11th	Verification of Bernoulli's theorem .
2nd		8. Determination of Cd from venturimeter
1st	12th	Determination of Cd from venturimeter
2nd		Determination of Cd from venturimeter
1st	13th	9. Determination of Cc, Cv, Cd from orifice meter
2nd		Determination of Cc, Cv, Cd from orifice meter
1st	14th	Determination of Cc, Cv, Cd from orifice meter
2nd		10. Determine the mechanical efficiency of an air Compressor.
1st	15th	Determine the mechanical efficiency of an air Compressor..
2nd		Determine the mechanical efficiency of an air Compressor.

Sign. of faculty