

PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF
ENGINEERING & TECHNOLOGY, BARGARH



PROGRESS REGISTER
Session-2022-2023

Discipline: Mechanical Engg.

Semester: 4th

Subject: TE-II (Sec A)

Name of the Teaching Faculty: S. S. Bhoi

Subject: TL-II No. of Days/per week class allotted 04Semester From Date: 14/02/2023 To Date: 23/05/2023 No. of Weeks: 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
14/2/23	Introduction to I.C engine	same	I.C engine	GN
15/2/23	Mechanical efficiency Indicated thermal efficiency	same	mechanical efficiency	GN
17/2/23	Relative efficiency, brake thermal efficiency	same	Relative efficiency	GN
21/2/23	over all efficiency	overall efficiency	overall efficiency	GN
22/2/23	Mean effective pressure, Specific fuel consumption	same	same	GN
24/2/23	Air fuel ratio	Air fuel ratio	Air fuel ratio	GN
25/2/23	Calorific value of fuel	same	same	GN
28/2/23	Workout problems	Workout problems	Workout problems	GN
1/3/23	Introduction to air compressor	same	same	GN
3/3/23	Function of compressor	same	same	GN
4/3/23	classification of compressor	same	same	GN

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10/3/23	Principle of operation of compressor	same	same	GN
11/3/23	Different parts of compressor	same	same	GN
14/3/23	Working principle of reciprocating air compressor	Working principle	Working principle	GN
15/3/23	Terminology of reciprocating air compressor	same	same	GN
17/3/23	Volumetric efficiency	volumetric efficiency	volumetric efficiency	GN
18/3/23	Workdone of single stage reciprocating compressor	same	same	GN
21/3/23	Workdone of two stage compressor	same	same	GN
22/3/23	Workout problems	Workout problems	Workout problems	GN
24/3/23	Solve Example	Solve example	Solve example	GN
25/3/23	Introduction to properties of steam	same	same	GN
28/3/23	Diff. bet ⁿ gas and vapour	same	same	GN

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29/3/23	Formation of steam	Formation of steam	Formation of steam	SPH
31/3/23	P-V, T-S, H-S, T-H diagram	same	same	SPH
4/4/23	Defenation & properties of steam	same	same	SPH
5/4/23	Use of steam table	same	same	SPH
7/4/23	Mollier chart	mollier chart	mollier chart	SPH
8/4/23	Non flow process of vapour	same	same	SPH
11/4/23	Flow process of vapour	same	same	SPH
12/4/23	P-V, T-S, H-S diagram	same	same	SPH
15/4/23	Determination of change of properties	same	same	SPH
18/4/23	Solve Simple Numerical	same	same	SPH
19/4/23	Introduction to steam generator	same	same	SPH

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21/4/23	Classification of boiler	boiler classification	boiler classification	SM
25/4/23	Types of boiler	Types	same	CON
26/4/23	Important terms of boiler	same	same	CON
28/4/23	Fire tube boiler	Fire tube boiler	Fire tube boiler	CON
29/4/23	Water tube boiler	water tube boiler	water tube boiler	CON
2/5/23	Lochran Boiler	same	same	CON
3/5/23	Lancashire Boiler	Lancashire boiler	same	CON
6/5/23	Babcock boiler	same	same	CON
9/5/23	Wilcox boiler	same	same	CON
10/5/23	Boiler Draught	same	same	CON
12/5/23	Mounting and Accessories	same	same	SM

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Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
20/5/23	Introduction to steam power cycle	same	same	CS
20/5/23	Carnot cycle	Carnot cycle	Carnot cycle	CS
20/5/23	Derive work and efficiency of cycle	same	same	CS
23/5/23	Rankine cycle	Rankine cycle	Rankine cycle	CS
23/5/23	Derive work and efficiency	same	same	CS
23/5/23	Reheat cycle	Reheat cycle	Reheat cycle	CS
24/5/23	Regenerative cycle	same	same	CS
24/5/23	Solve Numericals	same	same	CS
24/5/23	Introduction to heat transfer	same	same	CS
24/5/23	Modes of heat transfer	same	same	CS
25/5/23	Fourier law of heat conduction	same	same	CS

