Discipline : ELECTRIAL ENGINEERING	Semester:- 3rd	Name of the Teaching Faculty: - MANASWINI KAR ANOJJA PUSPASHREE
Subject:- EME (TH-3)	No of Days/per Week Class Allotted :- 04	Semester From:- 01.07.2024 To:-16.12.2024
Week	Class Day	Theory
1st	1st	State Unit of Heat and work
	2nd	1st law of thermodynamics.
	3rd	State Laws of perfect gases
	4th	specific heat of gases at constant volume
2nd	1st	specific heat of gases at constant pressure.
	2nd	Determine relationship of specific heat of gases at constant volume and constant pressure.
	3rd	Use of steam table
	4th	Explain total heat of wet steam
3rd	1st	Explain total heat of DRY STEAM
	2nd	Explain total heat of super-heated steam
	3rd	Use steam table for solution of simple problem
	4th	Introduction to Boiler
4th	1st	State types of Boilers
	2nd	Types of Water tube Boilers
	3rd	Describe Cochran Boiler(diagram)
	4th	Describe Cochran Boiler (detailed description)
5th	1st	Types of Fire tube Boilers
	2nd	Describe Babcock and Wilcox boiler(diagram)
	3rd	Describe Babcock and Wilcox boiler (detailed description)
	4th	Describe various mountings of Boiler
6th	1st	Describe various accessories of Boiler
	2nd	Definition of Simple steam engine
	3rd	Simple steam engine Diagram

	4th	Explain the principle of Simple steam engine
7th	1st	Calculate Mean effective pressure
	2nd	Calculate IHP
	3rd	Calculate BHP
	4th	Calculate mechanical efficiency.
8th	1st	Solve Simple problem on IHP, BHP
	2nd	Solve Simple problem ON Mean effective pressure
	3rd	Solve Simple problem on mechanical efficiency
	4th	Introduction to Steam Turbine
9th	1st	StateTypes
	2nd	Description of Impulse Turbine
	3rd	Description of Reaction Turbine
	4th	Differentiate between impulse and reactionTurbine
10th	1st	Differentiate between impulse and reactionTurbine
	2nd	Introduction to condenser
	3rd	Explain the function of condenser
	4th	State their types
11th	1st	Explain their types
	2nd	Introduction to IC Engine
	3rd	Explain working of two stroke petrol and Diesel engines.
	4th	Explain working of 4stroke petrol and Diesel engines.
12th	1st	Differentiate between them
	2nd	Define Hydrostatic
	3rd	Describe properties of fluid
	4th	Solve simple problem on the above properties of Fluid
13th	1st	Determine pressure at a point
	2nd	Determine pressure measuring Instruments
	3rd	Define HYDROKINETICS
	4th	Deduce equation of continuity of flow
	1st	Explain energy of flowing liquid

14th	2nd	State Bernoulli's theorem
	3rd	Explain Bernoulli's theorem
	4th	Introduction to Hydraulic devices and pneumatics
15th	1st	Describe Intensifier
	2nd	Describe Hydrauliclift
	3rd	Describe Accumulator
	4th	Describe Hydraulicram

Teaching Faculty 1/7/24 1/7/24

HOD, ELECTRICAL 09/7/24