

GANDHI SCHOOL OF ENGINEERING

BHABANDHA, BERHAMPUR

PROPOSED WORK

3RD EE SUBJECT-Th.3 ELEMENTS OF MECHANICAL ENGINEERING

Name of Faculty- RAKESH KUMAR NAYAK

SL NO. CHAPTER	TOPICS	NO OF PERIODS ASSIGNED BY SCTE&VT	PLANNING DATES	REMARKS
1	THERMODYNAICS: 1 . 1 State Unit of Heat and work, 1st law of thermodynamics. 1 . 2 State Laws of perfect gases 1 . 3 Determine relationship of specific heat of gases at constant volume and constant pressure.	06	01 OCT 2021 To 22 OCT 2021	
2	PROPERTIES OF STEAM: 2 . 1 Use steam table for solution of simple problem 2 . 2 Explain total heat of wet, dry and super heated steam	05	26 OCT 2021 To 05 NOV 2021	
3	BOILERS: 3 . 1 State types of Boilers 3 . 2 Describe Cochran, Babcock Wilcox boiler 3 . 3 Describe Mountings and accessories	10	09 NOV 2021 To 24 NOV 2021	
4	STEAM ENGINES: 4.1 Explain the principle of Simple steam engine 4.2 Draw Indicator diagram 4.3 Calculate Mean effective pressure, IHP and BHP and mechanical efficiency.	10	25 NOV 2021 To 09 DEC 2021	

	4.4 Solve Simple problem.			
5	STEAM TURBINES: 5.1 State Types 5.2 Differentiate between impulse and reaction Turbine	06	10 DEC 2021 To 16 DEC 2021	
6	CONDENSER: 6.1 Explain the function of condenser 6.2 State their types	04	17 DEC 2021 To 22 DEC 2021	
7	I.C. ENGINE: 7.1 Explain working of two stroke and 4 stroke petrol and Diesel engines. 7.2 Differentiate between them	04	23 DEC 2021 To 28 DEC 2021	
8	HYDROSTATICS: 8.1 Describe properties of fluid 8.2 Determine pressure at a point, pressure measuring Instruments	05	29 DEC 2021 To 04 JAN 2022	
9	HYDROKINETICS: 9.1 Deduce equation of continuity of flow 9.2 Explain energy of flowing liquid 9.3 State and explain Bernoulli's theorem	05	05 JAN 2022 To 07 JAN 2022	
10	HYDRAULIC DEVICES AND PNEUMATICS: 10.1 Intensifier 10.2 Hydraulic lift 10.3 Accumulator 10.4 Hydraulic ram	05	11 JAN 2022 To 13 JAN 2022	

B.P. Panda
HOD
Electrical Engg.
Gandhi School of Engg.
Berhampur (Gm.)

HOD