LESSON PLAN WINTER-2021

SUBJECT- RAC. SEM- 5th BRANCH- MECHANICAL ENGG.

SL NO	DATE	CHAPTER	TOPIC NAME	NO OF PERIODS
1	01.10.21	AIR REFRIGERATION CYCLE CHAP-01	Definition of refrigeration and unit of refrigeration	2
2	04.10.21		Definition of COP, Refrigerating effect (R.E)	1
3	05.10.21		rinciple of working of open and closed air system of refrigeratio	1
4	08.10.21		Calculation of COP of Bell-Coleman cycle and numerical on it.	2
5	09.10.21	SIMPLE VAPOUR COMPRESSION REFRIGERATION SYSTEM CHAP-2	schematic diagram of simple vapors compression refrigeration system	1
6	18.10.21		Cycle with dry saturated vapors after compression	1
7	22.10.21		Cycle with wet vapors after compression	2
8	25.10.21		Cycle with superheated vapors after compression	1
9	26.10.21		Cycle with superheated vapors before compression	1
10	29.10.21		Cycle with sub cooling of refrigerant	2
11	01.11.21		Representation of above cycle on temperature entropy	1
12	02.11.21		Representation of above cycle pressure enthalpy diagram, Numerical Problem	1
13	05.11.21	VAPOUR ABSORPTION REFRIGERATION SYSTEM CHAP-3	Simple vapor absorption refrigeration system, Practical vapor absorption refrigeration system	2
14	08.11.21		COP of an ideal vapor absorption refrigeration system	1
15	09.11.21		Numerical Problem	1
16	12.11.21	REFRIGERATION EQUIPMENTS CHAP-4	Refrigerant Compressors	2
17	15.11.21		Hermetically and semi hermetically sealed compressor	1
18	16.11.21		Condenser	1
19	22.11.21		Working and constructional details of an evaporator, Bare tube coil evaporator	1
20	23.11.21		Finned evaporator, shell and tube evaporator.	1
21	26.11.21		Capillary tube, Automatic expansion valve	2
22	29.11.21		Thermostatic expansion valve	1
23	30.11.21	REFRIGERANT FLOW CONTROLS, REFRIGERANTS & APPLICATION OF REFRIGERANTS CHAP-5	Classification of refrigerants, Desirable properties of an ideal refrigerant.	1
24	03.12.21		Thermodynamic & Chemical Properties of Refrigerants.	2
25	06.12.21		Refrigerants, R-11, R-12, R-22, R-134a, R-717, Substitute for CFC	1
26	07.12.21		Applications of refrigeration, Cold storage	1
27	10.12.21		Dairy refrigeration, Ice plant	2
28	13.12.21		Water cooler, Frost free refrigerator	1
29	14.12.21	PSYCHOMETRICS &COMFORT AIR CONDITIONING SYSTEMS CHAP-6	Adiabatic saturation of air by evaporation of water	1
30	17.12.21		Psychometric chart and uses.	2
31	20.12.21		Sensible heating and Cooling	1
32	21.12.21		Pressure at a point, pressure measuring Instruments	1
33	24.12.21		Cooling and Dehumidification	2
34	27.12.21		Heating and Humidification	1
35	28.12.21		Adiabatic cooling with humidification	1
36	31.12.21		Total heating of a cooling process	2
37	03.01.22		SHF, BPF & Adiabatic mixing	1

38	04.01.22		Effective temperature and Comfort chart	1
39	07.01.22	AIR CONDITIONING SYSTEMS CHAP-7	Factors affecting comfort air conditioning.	2
40	10.01.22		Equipment used in an air-conditioning.	1
41	11.01.22		Classification of air-conditioning system	1
42	17.01.22		Summer air-conditioning system.	1
43	18.01.22		Winter Air Conditioning System	1
44	21.01.22		Numerical problem	2
45	24.01.22		previous year question practice,doubt clearing classes	1
46	25.01.22		previous year question practice,doubt clearing classes	1
			TOTAL	**60**

30/09/21

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