


SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

Discipline:	Semester:	Name of the Teaching Faculty:		
Subject:	No of Days/per week class allotted:	Semester from Date:	to Date:	No of Weeks:
Week	Class Day	Theory/Practical Topics		
1st	1st	Hermetically and semi hermetically sealed compressor.		
	2nd	Principle of working and constructional details of air		
	3rd	Heat rejection ratio		
	4th	DO		
	5th	Heat rejection ratio		
2nd	1st	Cooling tower and spray pond		
	2nd	Principle of working and constructional details of an evaporator		
	3rd	Types of evaporator		
	4th	DO		
	5th	Bare tube coil evaporator,finned evaporatorshell and tube evaporator		
3rd	1st	DO		
	2nd	Applications of refrigeration		
	3rd	Psychometric terms		
	4th	Adiabatic saturation of air by evaporation of water		
	5th	Psychometric chart and uses.		
4th	1st	DO		
	2nd	Psychometric processes		
	3rd	DO		
	4th	DO		
	5th	Effective temperature and Comfort chart		
5th	1st	DO		
	2nd	Factors affecting comfort air conditioning Equipment used in an air-conditioning.		
	3rd	Classification of air-conditioning system winter Air Conditioning system		
	4th	Summer air-conditioning system		
	5th	Numerical on above		


 Sign of Faculty


 HOD


 Principal

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1st	1st	Definition of refrigeration and unit of refrigeration	
	2nd	Definition of COP, Refrigerating effect (R.E)	
	3rd	DO	
	4th	Principle of working of open and closed air system of refrigeration.	
	5th	DO	
2nd	1st	Calculation of COP of Bell-Coleman cycle and numerical on it.	
	2nd	schematic diagram of simple vapors compression refrigeration system'	
	3rd	DO	
	4th	Cycle with dry saturated vapors after compression	
	5th	Cycle with wet vapors after compression.	
3rd	1st	Cycle with superheated vapors after compression	
	2nd	Cycle with superheated vapors before compression	
	3rd	Cycle with sub cooling of refrigerant	
	4th	Representation of above cycle on temperature entropy	
	5th	Numerical on above	
4th	1st	DO	
	2nd	DO	
	3rd	Simple vapor absorption refrigeration system	
	4th	Practical vapor absorption refrigeration system	
	5th	COP of an ideal vapor absorption refrigeration system	
5th	1st	Numerical on COP.	
	2nd	DO	
	3rd	DO	
	4th	Principle of working and constructional details of reciprocating	
	5th	Centrifugal compressor only theory	

AS 13.9.22
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SSM
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[Signature]
Principal