

(2023-W)

Semester - 5th

Sub - Refrigeration And Air Conditioning

(Basudev Meshra.)

Describe	Mech.	Sem	5th	Name of faculty	Rasudev Mishra.
Sub	Refrigeration	sem	5th	Name of faculty	Rasudev Mishra.
Air conditioning	Refrigeration	sem	5th	Name of faculty	Rasudev Mishra.

Theory.

Week	Class/Day	Topic	Notes
	mon.	x	Introduction, definition and unit of refrigeration
	Tues		
	Wed		
1st	Thurs	x	Definition of cap and refrigerating effect and different types of open air working principle of cap and open air system of refrigeration
	Fri		
	Sat		
	mon	x	Numericals on Bell Coleman cycle
	Tues		
	Wed		
2nd	Thurs	x	Numericals on Bell Coleman cycle
	Fri		
	Sat		
	mon	x	Cycle with wet vapour after compression with numerical solving
	Tues		
	Wed		
3rd	Thurs	x	Cycle with superheated vapour after compression with numerical solving
	Fri		
	Sat		
	mon	x	Cycle with wet vapour after compression with numerical solving
	Tues		
	Wed		
4th	Thurs	x	Saving numericals
	Fri		
	Sat		
	mon	x	Saving numericals
	Tues		
	Wed		
5th	Thurs	x	Advantages of VRS over VRS, Practical VRS
	Fri		
	Sat		
	mon	x	Advantages of VRS over VRS, Practical VRS
	Tues		
	Wed		
6th	Thurs	x	Practical VRS with different parts
	Fri		
	Sat		
	mon	x	Practical VRS with different parts
	Tues		
	Wed		
7th	Thurs	x	Schematic diagram and working principle of VRS and numericals
	Fri		
	Sat		
	mon	x	Working principle of cap and wet cap and wet cap and numericals
	Tues		
	Wed		
8th	Thurs	x	Heat rejection ratio, spray pond, cooling tower
	Fri		
	Sat		
	mon	x	Heat rejection ratio, spray pond, cooling tower
	Tues		
	Wed		
9th	Thurs	x	Working principle of evaporator.
	Fri		
	Sat		
	mon	x	Working principle of evaporator.
	Tues		
	Wed		
10th	Thurs	x	Shell and tube evaporator.
	Fri		
	Sat		
	mon	x	Shell and tube evaporator.
	Tues		
	Wed		

