

**DIPLOMA IN ENGINEERING  
PROBIDHAN-2016**

**Refrigeration and Air-conditioning Technology**

**1st Semester**

Sl. No	Subject Code	Name of the subject	T	P	C	Marks				
						Theory		Practical		Total
						Cont. assess	Final exam	Cont. assess	Final exam	
1	61011	Engineering Drawing	0	6	2	0	0	50	50	100
2	65711	Bangla	3	3	4	60	90	50	0	200
3	65712	English	2	0	2	40	60	0	0	100
4	65911	Mathematics-I	3	3	4	60	90	50	0	200
5	65912	Physics-I	3	3	4	60	90	25	25	200
6	67011	Basic Workshop Practice	0	6	2	0	0	50	50	100
7	67211	Refrigeration and Air Conditioning Fundamentals	2	3	3	40	60	25	25	150
		<b>Total</b>	13	24	21	260	390	250	150	1050

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**REFRIGERATION AND AIR CONDITIONING TECHNOLOGY (672)**

**2<sup>nd</sup> SEMESTER**

Sl. No	Subject Code	Name of the subject	T	P	C	Marks				Total
						Theory		Practical		
						Cont. assess	Final exam	Cont. assess	Final exam	
1	65722	Communicative English	1	3	2	20	30	50	00	100
2	65922	Physics -2	3	3	4	60	90	25	25	200
3	65921	Mathematics -2	3	3	4	60	90	50	0	200
4	65811	Social Science	3	0	3	60	90	0	0	150
5	66712	Electrical Engineering Fundamentals	3	3	4	60	90	25	25	200
6	67221	Refrigeration Engineering Drawing	0	6	2	0	0	50	50	100
Total			13	18	19	260	390	200	100	950

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**REFRIGERATION AND AIR CONDITIONING TECHNOLOGY (672)**

**3<sup>rd</sup> SEMESTER**

Sl. No	Subject Code	Name of the subject	T	P	C	Marks				Total
						Theory		Practical		
						Cont. assess	Final exam	Cont. assess	Final exam	
1	67231	Refrigeration cycles and Components	3	3	4	60	90	25	25	200
2	66822	Electronic Engineering Fundamentals	2	3	3	40	60	25	25	150
3	66611	Computer Application	0	6	2	0	00	50	50	100
4	65931	Mathematics -3	3	3	4	60	90	50	0	200
5	65913	Chemistry	3	3	4	60	90	25	25	200
6	65812	Physical Education & Life Skill Development	0	3	1	0	0	25	25	50
Total			11	21	18	220	330	200	150	900

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**4<sup>th</sup> SEMESTER**

Sl. No	Subject Code	Name of the subject	T	P	C	Marks				Total
						Theory		Practical		
						Cont. assess	Final exam	Cont. assess	Final exam	
1	67241	Domestic Refrigeration & Air Conditioning	2	3	3	40	60	25	25	150
2	67242	Automotive Engines & their Systems	3	3	4	60	90	25	25	200
3	67243	Cooling and Heating Load Calculation	3	3	4	60	90	25	25	200
4	67244	Maintenance of RAC Equipment	2	3	3	40	60	25	25	150
5	67041	Engineering Mechanics	3	3	4	60	90	25	25	200
6	69054	Environmental Studies	2	0	2	40	60	0	0	100
7	65841	Business Organization & communication	2	0	2	40	60	0	0	100
Total			17	15	22	340	510	125	125	1100

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**REFRIGERATION & AIR-CONDITIONING TECHNOLOGY (672)**

**5<sup>th</sup> SEMESTER**

Sl. No	Subject Code	Name of the subject	T	P	C	Marks				Total
						Theory		Practical		
						Cont. assess	Final exam	Cont. assess	Final exam	
1	67251	Electrical Machines in RAC	2	3	3	40	60	25	25	150
2	67252	RAC Circuits & controls	3	3	4	60	90	25	25	200
3	67253	Piping & Duct Works	2	3	3	40	60	25	25	150
4	67254	Commercial & Industrial Refrigeration	2	3	3	40	60	25	25	150
5	67151	Power Plant Engineering	3	3	4	60	90	25	25	200
6	67131	Engineering Thermodynamics	3	3	4	60	90	25	25	200
7	65851	Accounting Theory & Practice	2	3	3	40	60	50	0	150
Total			17	21	24	340	510	200	150	1200

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**REFRIGERATION & AIR-CONDITIONING TECHNOLOGY**  
**6<sup>th</sup> SEMESTER**

Sl. No	Subject Code	Name of the subject	T	P	C	Marks				Total
						Theory		Practical		
						Cont. assess	Final exam	Cont. assess	Final exam	
1	67261	Advanced Refrigeration and Air conditioning	3	3	4	60	90	25	25	200
2	67262	RAC Plants for Food Processing & Preservation	1	3	2	20	30	25	25	100
3	67263	RAC Plant Operation	2	3	3	40	60	25	25	150
4	67264	Low Temperature Refrigeration	2	3	3	40	60	25	25	150
5	67162	Fluid Mechanics and Machineries	3	3	4	60	90	25	25	200
6	65852	Industrial Management	2	0	2	40	60	0	0	100
Total			13	15	18	260	390	125	125	900

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**REFRIGERATION & AIR-CONDITIONING TECHNOLOGY (672)**  
**7<sup>th</sup> SEMESTER**

Sl. No	Subject Code	Name of the subject	T	P	C	Marks				Total
						Theory		Practical		
						Cont. assess	Final exam	Cont. assess	Final exam	
1	67271	RAC System Analysis	2	3	3	40	60	25	25	150
2	67272	RAC Project	0	6	2	0	0	50	50	100
3	67273	Trouble shooting of RAC Equipment	2	3	3	40	60	25	25	150
4	67274	Transport Refrigeration And Air conditioning	3	3	4	60	90	25	25	200
5	67275	Commercial and Industrial Air conditioning	3	3	4	60	90	25	25	200
6	67276	Installation of RAC Plants	2	3	3	40	60	25	25	150
7	65853	Innovation & Entrepreneurship	2	0	2	40	60	0	0	100
Total			14	21	21	280	420	175	175	1050