



## **VISION**

*"To excelling the field of technology by creating technocrats with value-based "professionalism."*

## **MISSION**

- *To provide technical expertise to fulfill the need to the industry.*
- *To impact ethical values & professional responsibilities.*
- *To achieve excellence in academics.*

TYAE

Subject Name: Automobile air conditioning (22653)

Assignment No: 1

Course Outcome: CO604.1

## **Questions.**

1. Explain the vapour compression cycle.
2. Define the term conduction, convection and radiation.
3. Describe ventilation system of a car with sketch.
4. List the name of components used in car A.C. system.
5. State the function of condenser used in A.C. system.
6. Draw a general layout automotive air conditioning system.
7. Explain the vapour compression refrigeration cycle.
8. Define – Comfort Air conditioning
9. Describe the controlled ventilation system.
10. Illustrate the air-conditioning system layout of a car.
11. Describe ventilation system of a car with sketch.
12. Explain the requirements of heating and ventilation system of a car.
13. Draw a general layout automotive air conditioning system.

Course co-ordinator :-Mrs. Pushpa Patil

Date of Submission: - / /2024



## VISION

*"To excelling the field of technology by creating technocrats with value-based "professionalism."*

## MISSION

- *To provide technical expertise to fulfill the need to the industry.*
- *To impact ethical values & professional responsibilities.*
- *To achieve excellence in academics.*

TYAE

Subject Name: Automobile air conditioning (22653)

Assignment No: 2

Course Outcome: CO605.2

## **Questions.**

1. Illustrate with sketch the use of hybrid duct system.
2. Name the types of duct system used in vehicles.
3. Describe ventilation system of a car with sketch.
4. Differentiate between downstream and upstream duct system.
5. Name the types of duct system used in vehicles.

Course co-ordinator:-Mrs. Pushpa Patil

Date of Submission:    /    /2024



### **VISION**

*"To excelling the field of technology by creating technocrats with value-based "professionalism."*

### **MISSION**

- *To provide technical expertise to fulfill the need to the industry.*
- *To impact ethical values & professional responsibilities.*
- *To achieve excellence in academics.*

TYAE

Subject Name: Automobile air conditioning (22653)

Assignment No: 3

Course Outcome: CO605.3

### **Questions.**

1. Illustrate with sketch the use of hybrid duct system.
2. Name the types of duct system used in vehicles.
3. Describe ventilation system of a car with sketch.
4. Differentiate between downstream and upstream duct system.
5. Name the types of duct system used in vehicles.



### VISION

*"To excelling the field of technology by creating technocrats with value-based "professionalism."*

### MISSION

- *To provide technical expertise to fulfill the need to the industry.*
- *To impact ethical values & professional responsibilities.*
- *To achieve excellence in academics.*

TYAE

Subject Name: Automobile air conditioning (22653)

Assignment No: 2

Course Outcome: CO605.2

### **Questions.**

1. Illustrate with sketch the use of hybrid duct system.
2. Name the types of duct system used in vehicles.
3. Describe ventilation system of a car with sketch.
4. Differentiate between downstream and upstream duct system.
5. Name the types of duct system used in vehicles.



## **VISION**

*"To excelling the field of technology by creating technocrats with value-based "professionalism."*

## **MISSION**

- *To provide technical expertise to fulfill the need to the industry.*
- *To impact ethical values & professional responsibilities.*
- *To achieve excellence in academics.*

TYAE

Subject Name: Automobile air conditioning (22653)

Assignment No: 2

Course Outcome: CO605.2

## **Questions.**

1. Illustrate with sketch the use of hybrid duct system.
2. Name the types of duct system used in vehicles.
3. Describe ventilation system of a car with sketch.
4. Differentiate between downstream and upstream duct system.
5. Name the types of duct system used in vehicles.



## **VISION**

*"To excelling the field of technology by creating technocrats with value-based "professionalism."*

## **MISSION**

- *To provide technical expertise to fulfill the need to the industry.*
- *To impact ethical values & professional responsibilities.*
- *To achieve excellence in academics.*

TYME

Subject Name: RAC (22660)

Assignment No: 6

Course Outcome: CO605.6

## **Questions.**

1. Design the layout of "summer air conditioning system" for Delhi city
2. Enlist insulating materials used in Refrigeration field.
3. Sketch and explain extended plenum duct system.
4. List different pressure losses in ducts.
5. Explain the working of window air conditioner with neat sketch.
6. Enlist different types of fans used in air-conditioning system. Explain anyone with a sketch.
7. Explain with neat sketch the working of Automobile Air conditioning.
8. Explain with neat sketch the working of 'Direct central Air conditioning system'

Course coordinator:-Mrs. Pushpa Patil

Date of Submission:     /     /2024



## VISION

*"To excelling the field of technology by creating technocrats with value-based "professionalism."*

## MISSION

- *To provide technical expertise to fulfill the need to the industry.*
- *To impact ethical values & professional responsibilities.*
- *To achieve excellence in academics.*



## VISION

*"To excelling the field of technology by creating technocrats with value-based "professionalism."*

## MISSION

- *To provide technical expertise to fulfill the need to the industry.*
- *To impact ethical values & professional responsibilities.*
- *To achieve excellence in academics.*

## TYME

Course coordinator:-Mrs. Pushpa Patil

Date of Submission: -     /     /2024