

Refrigeration and Air Conditioning Syllabus

- Introduction: Refrigeration and Air Conditioning and Safety
- Fitting & Welding
- Electricals & Electronics
- Primary & secondary refrigerants
- Thermal insulation
- Lubrication
- Gas Charging, Testing & Faults Diagnosis
- Commercial RAC plants & Car air-conditioners 02
- Observation, Analysis of Carnot cycle
- Non-Conventional Refrigeration system.
- Electronic Controls, Transistors
- Commercial Compressor & Capacity Control
- Cooling Tower
- Water Softening Plants, Chillers
- Refrigerant controls
- Food Preservation, Refrigerants, Lubrication
- Erection of plants, Ducts, HVAC, VAV system
- Psychrometry, Heat load estimation
- Commissioning & preventive maintenance of different plants
- Domestic Refrigerator and Split Air Conditioner