SAFETY DEVICES :-

(1) THERMOSTAT :-

- Retrigerator Humanstat is the brain of Retrigeration cooling system.
- in Retrigerator, then thermostat stops the flow of Retrigerator electricity to compressor.
- temp range (33-40° F) inside the
- the Retrigeration system.
- -> There are 3- types-
 - (i) Vapour pressure.
 - (ii) Bimetallic.
 - (iii) solid state.

(1) VAPOUR PRESSURE THERMOSTATE:

- tup to find out temp. via Bulb.
- Bulb which increase for decrease (volume) with temp.
- Hough Capillary tube.
- Ocoling system on.

(ii) Binutallic Thurmostats:-

- two different metals which expands and contracts at different nate.
- +> wed sensing strip.
- one Metal is more sensible
- when temp. 1-> strip wrap one side -> cwitch off -> Refrigeration system start.

(ii) SOLID STATE THERMOSTAT :-

- called as Digital Thurmostat.
- electrically Conductive withchange in temp.
- Hicroprocessor reads the sensing demands reading and command the Refrigeration system.

(2) OVER LOAD PROTECTION:-

- in winding coolants.
- Thurmal overloading.
- H Temp. Sensing elements
- to Starting relay.
- to poor voltage supply.
- + Unbalanced pressure Condition.
- + Insulation.
- 17 Overload com stanting relay.

- (8) HIGH AND LOW PRESSURE CUTOUTS :-
- H.P. and Low pressure cutouts in
- How pressure (utouts used as a Sofety Control.
- He useful in semate Installation.

DIPLOMA STUDENTS IN TECHNICAL STUDIO BY BHANU PRATAP SINGH "IMPORTANT QUESTIONS"

(1) What is working principle of Compressor? Explain the working of Reciprocating Compressor with rest sketch. What are all the classifications of Compressor?

(2) What is the function of the Condenser? Explain the Working of a evaporative type Condenser by explaining its different elements.

(3) Explain the function of evaporator. Explain the working of evaporator in Retrigeration System with near sketch.

(4) What is expansion Valve? Explain the working principle of "Thumostatic Expansion valve with reat- Sketch.

(5) What are all the Sofety Devices? Explain the working of thermostet in details.

Thanking You !