

Student: Prinston

Score: 5/25 (20.00%)

Code: 3993

1. Which two components do the compressor function in vapour absorption system?

- A) **Generator and absorber** B) Generator and separator
 C) Generator and condenser D) Generator and evaporator (Incorrect)

2. What is the percentage of HCl used for making descaling solution with water?

- A) 0.01 B) **0.05**
 C) 0.15 (Incorrect) D) 0.55

3. Which part of a central AC system cannot be repaired after pump down operation?

- A) Condenser (Incorrect) B) Evaporator
 C) **Liquid receiver** D) Expansion device

4. Which part of water pump becomes worn out fast?

- A) Bearing B) Impeller (Incorrect)
 C) Water seal D) **Shaft sleeve**

5. How the total heat of air is represented in psychrometric chart?

- A) Entropy B) **Enthalpy**
 C) Latent heat (Incorrect) D) Sensible heat

6. Which types of heat are involved in ventilation and infiltration of air to AC space?

- A) Sensible heat and solar heat B) **Sensible heat and latent heat**
 C) Radiant heat and specific heat D) Latent heat of water-vapour only (Incorrect)

7. What is the remedy for no lubrication even if the sight glass shows proper oil level?

- A) **Replace oil pump (Correct)** B) Add oil to crankcase
 C) Replace oil pressure gauge D) Replace oil pressure cut out

8. Which lubricant oil is used in swash plate of R 134a compressor?

- A) Servo 20 B) **POE**
 C) SAE - 40 (Incorrect) D) Mineral oil

9. Which movement of the scroll compresses the low

pressure vapour in scroll compressor?

- A) Reciprocating B) Centrifugal
 C) Rotating (Incorrect) D) **Orbital**

10. What is the effect of moist air present inside the hermetic system?

- A) Capacity of compressor will increase B) Less wear and tear in compressor
 C) **Harmful to the compressor and motor** D) Increase the life of compressor (Incorrect)

11. Which type of expansion device is used in frost free refrigerator?

- A) Float valve (Incorrect) B) **Capillary tube**
 C) Automatic expansion valve D) Thermostatic expansion valve

12. How the indoor unit acts during heating cycle of heat pump?

- A) **Condenser** B) Evaporator
 C) Expansion device D) Electrical heater (Incorrect)

13. What are the passive components used in electronic circuits?

- A) **Resistors, capacitors and inductors (Correct)** B) Transformers and semiconductors
 C) Semi conductors and transistors D) Transistors, diodes and SCRs

14. Which metal is alloyed with zinc to make brass?

- A) Iron B) **Copper**
 C) Bronze (Incorrect) D) Aluminium

15. Which tool is used for bending, seaming and forming of sheet metal?

- A) Bench vice B) Hand vice
 C) **Stakes (Correct)** D) Shear

16. Which sheet is used to check the tightness of door gasket of a refrigerator?

- A) Rubber B) **Plastic (Correct)**
 C) Copper D) Zinc

17. Which component actuates the defrost cycle in frost free

refrigerator?

- A) Bimetal thermo (Incorrect) B) Defrost heater
C) **Timer** D) Relay

18. Which parameter of power supply determines the speed of induction motor?

- A) Volt (Incorrect) B) Current
C) Volume D) **Frequency**

19. What type of material is used to support the tubes on both sides of air cooled condenser?

- A) Copper sheets B) Mild steel sheet (Incorrect)
C) Aluminium sheets D) **Galvanised iron sheets**

20. What is ensured before mounting condenser in car AC?

- A) **Accessibility for future service** B) Condenser top line to TEV inlet
C) Condenser in line with car radiator (Incorrect) D) Condenser bottom line to discharge line

21. Which is the green house gas?

- A) Oxygen of atmospheric air (Incorrect) B) **Chlorofluoro carbon in air**

C) Helium of atmospheric air D) Neon of atmospheric air

22. What is the resistance level of start winding in a refrigerator's compressor motor?

- A) Medium resistance B) **High resistance (Correct)**
C) Zero resistance D) Low resistance

23. How does the evaporator frost affect the sub zero temperature thermally in refrigerator?

- A) As conductor (Incorrect) B) **As insulator**
C) As convector D) As radiator

24. Which material is used to make ducts in split AC?

- A) Thermocole B) **GI sheet**
C) Wood D) Fibre (Incorrect)

25. Which winding has high inductance value in CSR compressor motor?

- A) Common winding B) **Running winding**
C) Starting winding D) Auxiliary winding (Incorrect)