

**Duration: 30 Mins****Total Marks: 25****Q.ID: ITISKILL7716XM**

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

- A) Frequency                      B) Volt  
C) Volume                          D) Current

**Answer: A) Frequency**

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

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

**Answer: A) Galvanised iron sheets**

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

- A) As conductor                  B) As radiator  
C) As insulator                  D) As convector

**Answer: C) As insulator**

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

- A) 0.55                              B) 0.05  
C) 0.01                              D) 0.15

**Answer: B) 0.05**

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

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

**Answer: A) Accessibility for future service**

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

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

**Answer: D) Resistors, capacitors and inductors**

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

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

**Answer: C) Liquid receiver**

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

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

**Answer: A) Capillary tube**

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

- A) Stakes                                B) Shear  
C) Hand vice                          D) Bench vice

**Answer: A) Stakes**

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

- A) Enthalpy                              B) Latent heat  
C) Entropy                              D) Sensible heat

**Answer: A) Enthalpy**

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

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

**Answer: C) Replace oil pump**

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

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

**Answer: A) Sensible heat and latent heat**

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

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

**Answer: D) Generator and absorber**

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

- A) Bronze                                B) Iron  
C) Copper                                D) Aluminium

**Answer: C) Copper**

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

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

**Answer: A) POE**

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

- A) Wood
- B) Fibre
- C) GI sheet
- D) Thermocole

**Answer: C) GI sheet**

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

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

**Answer: D) Shaft sleeve**

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

- A) High resistance
- B) Zero resistance
- C) Low resistance
- D) Medium resistance

**Answer: A) High resistance**

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

- A) Copper
- B) Rubber
- C) Plastic
- D) Zinc

**Answer: C) Plastic**

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

- A) Capacity of compressor will increase
- B) Increase the life of compressor

C) Harmful to the compressor and motor

D) Less wear and tear in compressor

**Answer: C) Harmful to the compressor and motor**

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

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

**Answer: C) Condenser**

22. Which component actuates the defrost cycle in frost free refrigerator?

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

**Answer: A) Timer**

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

- A) Running winding
- B) Common winding
- C) Auxiliary winding
- D) Starting winding

**Answer: A) Running winding**

24. Which movement of the scroll compresses the low pressure vapour in scroll compressor?

- A) Reciprocating
- B) Centrifugal
- C) Orbital
- D) Rotating

**Answer: C) Orbital**

25. Which is the green house gas?

- A) Helium of atmospheric air
- B) Chlorofluoro carbon in air
- C) Neon of atmospheric air
- D) Oxygen of atmospheric air

**Answer: B) Chlorofluoro carbon in air**