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Score: 7/25 (28.00%)

Code: 6140

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

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

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

- A) 0.01 B) **0.05 (Correct)**
 C) 0.15 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
 C) Water seal (Incorrect) D) **Shaft sleeve**

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

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

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

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

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

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

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

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

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

- A) Reciprocating (Incorrect) B) Centrifugal
 C) Rotating 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 B) **Capillary tube (Correct)**
 C) Automatic expansion valve D) Thermostatic expansion valve

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

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

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

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

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

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

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

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

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

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

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 (Incorrect) B) Mild steel sheet

C) Aluminium sheets

D) Galvanised iron sheets

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

A) Accessibility for future service (Correct) B) Condenser top line to TEV inlet

C) Condenser in line with car radiator D) Condenser bottom line to discharge line

21. Which is the green house gas?

A) Oxygen of atmospheric air B) Chlorofluoro carbon in air (Correct)

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

C) Zero resistance

D) Low resistance (Incorrect)

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

A) As conductor

B) As insulator

C) As convector

D) As radiator (Incorrect)

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

A) Thermocole

B) GI sheet (Correct)

C) Wood

D) Fibre

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

A) Common winding (Incorrect)

B) Running winding

C) Starting winding

D) Auxiliary winding