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Score: 21/50 (42.00%)

Code: 1328

1. What is the atmospheric pressure at sea level?

- A) **1.033 kg/cm²** B) 1.3 Kg/cm² (Incorrect)
C) 1.5 Kg/cm² D) 1.6 Kg/cm²

2. What is the rate of doing work?

- A) Duty B) Force (Incorrect)
C) **Power** D) Velocity

3. What is the melting temperature of silver brazing rod?

- A) **1120 Degree F (Correct)** B) 1200 Degree F
C) 1250 Degree F D) 1300 Degree F

4. What is bottom dead centre in reciprocating compressor cylinder?

- A) **The piston moves up from the point of cylinder** B) The piston stops in cylinder at top (Incorrect)
C) The piston moves down from the point of cylinder D) The piston starts in cylinder at top

5. What is the barometer reading at sea level in Hg column?

- A) **760 mm (Correct)** B) 750 mm
C) 740 mm D) 730 mm

6. What is the capacity of doing work?

- A) Work B) Power
C) Force (Incorrect) D) **Energy**

7. Which instrument is used for measuring heat?

- A) Thermometer B) Anemometer (Incorrect)
C) **Calorimeter** D) Ammeter

8. Which refrigeration system works on directly by the heat energy?

- A) Jet refrigeration B) Mechanical refrigeration (Incorrect)
C) **Vapour absorption refrigeration** D) Vapour compression refrigeration

9. What is the absolute zero temperature in degree centigrade?

- A) 0 Degree Centigrade B) 100 Degree Centigrade
C) **-273 Degree Centigrade (Correct)** D) 212 Degree Centigrade

10. How the level of heat in a substance is expressed?

- A) Micron B) Pressure
C) Humidity D) **Temperature (Correct)**

11. What is the energy of a body by virtue of its position?

- A) Wind energy B) Kinetic energy
C) **Potential energy (Correct)** D) Electrical energy

12. What is the physical state of ammonia at condenser inlet in vapour absorption system?

- A) Solid (Incorrect) B) Liquid
C) **Vapour** D) Semi solid

13. Which thermodynamic process the temperature is kept constant?

- A) Isobaric process B) **Isothermal process (Correct)**
C) Constant volume process D) Constant pressure process

14. What is the equivalent absolute scale for centigrade?

- A) **Kelvin** B) Celsius
C) Rankine (Incorrect) D) Fahrenheit

15. Which method is used to connect the swaged joint in copper tubes?

- A) TIG welding (Incorrect) B) **Silver brazing**
C) Lead soldering D) Fusion welding

16. Which components maintain the pressure difference in RAC system?

- A) Condenser and filter B) Evaporator and motor
C) Receiver and condenser D) **Compressor and expansion device (Correct)**

17. What is top dead centre in reciprocating compressor cylinder?

- A) **The piston moves down from the point of cylinder** B) The piston moves up from the point of cylinder

C) The piston stops in cylinder at bottom (Incorrect)

D) The piston starts in cylinder at bottom

A) Bulb

C) Thermostat

B) Heater

D) Capillary tube (Incorrect)

18. Which component controls the thermostat and defrost heater in frost free refrigerator?

A) Thermoheater (Incorrect)

B) Defrost timer

C) Relay

D) OLP

27. Where the thermal bulb is fixed in frost free refrigerator?

A) Liquid line

B) Discharge line

C) Last coil of condenser

D) Last coil of evaporator (Correct)

19. What is the advantage of using flux in brazing?

A) Over heating

B) Melting tubes

C) Prevent Oxidation (Correct)

D) Chemical reaction

28. What is the cut out temperature of bimetal thermo in frost free refrigerator?

A) 5 Degree Centigrade (Incorrect)

B) 10 Degree Centigrade

C) 20 Degree Centigrade

D) 25 Degree Centigrade

20. Which compressor dome handles high pressure and high temperature vapour?

A) Semi hermetic reciprocating compressor

B) Open type reciprocating compressor

C) Hermetic reciprocating compressor

D) Hermetic rotary compressor (Correct)

29. Which domestic system uses automatic defrost?

A) Frost free refrigerator (Correct)

B) Conventional refrigerator

C) Split air - conditioner

D) Window air - conditioner

21. What is the absolute pressure of gas in a cylinder, if gauge reads 135.3 p.s.i.?

A) 130 p.s.i.a

B) 140 p.s.i.a (Incorrect)

C) 150 p.s.i.a

D) 160 p.s.i.a

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

A) Rubber

B) Plastic (Correct)

C) Copper

D) Zinc

22. Which components are connected by metering device in vapour compression cycle?

A) Condenser and evaporator

B) Compressor and condenser (Incorrect)

C) Evaporator and suction line

D) Compressor and evaporator

31. Which is used to clean the condenser fins of a refrigerator?

A) Painting brush

B) Diluted acid

C) Soap solution (Incorrect)

D) Fin comb

23. Which condition is maintained for refrigerant in high side of vapour compression system?

A) Above its critical temperature

B) Below its critical temperature

C) Above its freezing temperature

D) Below its freezing temperature (Incorrect)

32. How the capacity of refrigerator is expressed?

A) Weightage

B) Tonnage

C) Wattage (Incorrect)

D) Litres

24. Which factors produce work?

A) Force and distance

B) Time and distance (Incorrect)

C) Force and power

D) Force and time

33. What is the temperature maintained in the refrigerator freezer?

A) 0 Degree Centigrade

B) - 15 Degree Centigrade (Correct)

C) - 45 Degree Centigrade

D) - 65 Degree Centigrade

25. What is the purpose of accumulator in a refrigerator?

A) Improves oil circulation

B) Prevents surging of refrigerant (Incorrect)

C) Avoids hunting of refrigerant

D) Prevents liquid flood back to compressor

34. Where the manually defrosted water is stored in refrigerator?

A) Tray on top of the compressor (Correct)

B) Bottom of the evaporator

C) Bottom of the condenser

D) Top of the freezer

26. Which component defrosts in frost free refrigerator?

35. Which component is used in frost free refrigerator?

A) Plate coil evaporator (Incorrect)

B) Liquid receiver

C) Oil separator

D) Timer switch

36. Which device protects the compressor motor from

