

Preparatory

Q. ID: ITISKILL5927SN

July 2026

Answer Key

Duration: 30 Mins

Total Marks: 30

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1. Which is the hydrocarbon refrigerant?

- A) R 500
- B) R123
- C) R 12
- D) R 600a

Answer: D) R 600a

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

- A) Thermoheater
- B) Defrost timer
- C) Relay
- D) OLP

Answer: B) Defrost timer

3. Which material is used to make the evaporator of refrigerator?

- A) Stainless steel
- B) Brass
- C) Galvanised iron
- D) Aluminium

Answer: D) Aluminium

4. What is the rate of doing work?

- A) Power
- B) Force
- C) Duty
- D) Velocity

Answer: A) Power

5. What is the unit of electric current?

- A) Volt
- B) Ampere
- C) Farad
- D) Ohm

Answer: B) Ampere

6. What is the storage capacity of oxygen cylinder?

- A) 5 m³
- B) 7 m³
- C) 3 m³
- D) 6 m³

Answer: B) 7 m³

7. Which insulating material is poured as liquid?

- A) Poly Urethane Foam (PUF)
- B) Cork Board
- C) Glass Wool
- D) Wood Shave

Answer: A) Poly Urethane Foam (PUF)

8. Which type of evaporator is used in window air conditioner?

- A) Bare tube
- B) Plate and tube
- C) Fins and plate
- D) Fins and tube

Answer: D) Fins and tube

9. Which substance absorbs heat and directly changes its state from solid to vapour?

- A) Ice
- B) Dry ice
- C) Primary refrigerants
- D) Secondary refrigerants

Answer: B) Dry ice

10. Which law is related to the constant PV at constant T?

- A) Boyles law
- B) Renaults law
- C) Charles s law
- D) Pascal s law

Answer: A) Boyles law

11. Which type of compressor is used as a vacuum pump?

- A) Reciprocating
- B) Centrifugal
- C) Scroll
- D) Rotary

Answer: D) Rotary

12. Which domestic system uses automatic defrost?

- A) Split air - conditioner
- B) Conventional refrigerator
- C) Window air - conditioner
- D) Frost free refrigerator

Answer: D) Frost free refrigerator

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

- A) - 65 Degree Centigrade
- B) 0 Degree Centigrade
- C) - 45 Degree Centigrade
- D) - 15 Degree Centigrade

Answer: D) - 15 Degree Centigrade

14. What is the colour of acetylene hose pipe in oxy - acetylene welding set?

- A) Red
- B) Black
- C) Maroon
- D) Green

Answer: C) Maroon

15. Which factors produce work?

- A) Force and power
- B) Force and time
- C) Force and distance
- D) Time and distance

Answer: C) Force and distance

16. Which type of condenser is used in window air conditioner?

- A) Fins and tube
- B) Plate and coil
- C) Bare tube
- D) Plate and tube

Answer: A) Fins and tube

17. What is the tool used for holding hot metals?

- A) Spanner
- B) Tongs

C) Pipe vice

D) Bench vice

Answer: B) Tongs

18. Which capacity of fan motor is used in 1Ton window air conditioner?

A) 1/16 HP

B) 1/5 HP

C) 1/10 HP

D) 1/20 HP

Answer: A) 1/16 HP

19. Which type of motor drive is used in hermetic compressor in refrigerator?

A) Push drive

B) Direct drive

C) Gear drive

D) Belt drive

Answer: B) Direct drive

20. What is the atmospheric pressure at sea level?

A) 1.033

B) 1.6 Kg/cm²

C) 1.3 Kg/cm²

D) 1.5 Kg/cm²

Answer: A) 1.033 kg/cm²

21. Which type of expansion valve is used in window air conditioner?

A) Automatic expansion valve

B) Thermostatic expansion valve

C) Capillary tube

D) Low side float valve

Answer: C) Capillary tube

22. Which device protects the compressor motor from drawing more current?

A) OLP

B) Relay

C) Door switch

D) Thermostat

Answer: A) OLP

23. What is the boiling point of pure water in centigrade scale?

A) 0 Degree Centigrade

B) 100 Degree Centigrade

C) 212 Degree Centigrade

D) 32 Degree Centigrade

Answer: B) 100 Degree Centigrade

24. What is the unit of electrical energy?

A) Watt

B) Volt

C) Kilo watt hour

D) Ampere

Answer: A) Watt

25. Which capacitor is connected in series with starting winding of CSR motor during operation?

A) Fan capacitor

B) Start capacitor

C) Run capacitor

D) No capacitor is connected

Answer: C) Run capacitor

26. Which two terminals read the highest resistance while testing refrigerator compressor motor?

A) Start and run

B) Start and compressor body

C) Common and run

D) Start and common

Answer: A) Start and run

27. How the potential relay coil is connected internally to the relay terminals?

A) 5 and 2

B) 5 and 1

C) 5 and 4

D) 2 and 4

Answer: A) 5 and 2

28. What is the full form of the relay - PTC?

A) Permanent temperature control

B) Positive terminal circuit

C) Polar terminal checking

D) Positive temperature coefficient

Answer: D) Positive temperature coefficient

29. How much is the maximum capacity of refrigerant to be filled in a returnable service cylinder?

A) Up to 85%

B) Up to 90%

C) Up to 95%

D) Up to 80%

Answer: D) Up to 80%

30. Which component defrosts in frost free refrigerator?

A) Capillary tube

B) Thermostat

C) Heater

D) Bulb

Answer: C) Heater