

Duration: 60 Mins

Total Marks: 20

Q.ID: ITISKILL6440IZ

1. What is the equivalent of one microfarad in farad?

- A) 10-3 farad B) 10-6 farad
C) 10-9 farad D) 10-12 farad

Answer: C) 10-9 farad

2. What is effect of compression process on refrigerant vapour?

- A) Cool the vapour above saturation B) Increase the pressure and temperature
C) Heat the vapour below saturation D) Decrease the pressure and temperature

Answer: B) Increase the pressure and temperature

3. Which application uses the digital ICs?

- A) Amplifier B) Tuned circuits
C) Logic gates D) Voltage regulator

Answer: C) Logic gates

4. How the maximum reverse voltage across the diode is termed in reverse biased condition?

- A) Ripple frequency B) Peak inverse voltage
C) Diode voltage D) Peak rectification voltage

Answer: B) Peak inverse voltage

5. Which instrument is used to identify the terminals of a compressor motor?

- A) Ammeter B) Voltmeter
C) Ohm meter D) Anemometer

Answer: C) Ohm meter

6. What is the reverse break down voltage range of zener diode?

- A) 3 to 18 volt B) 0.1 to 0.5 volt
C) 0.5 to 1 volt D) 1 to 3 volt

Answer: A) 3 to 18 volt

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

- A) 160 p.s.i.a B) 140 p.s.i.a
C) 130 p.s.i.a D) 150 p.s.i.a

Answer: D) 150 p.s.i.a

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

- A) Kinetic energy B) Potential energy

- C) Electrical energy D) Wind energy

Answer: B) Potential energy

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

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

Answer: B) 1120 Degree F

10. Which movement of plunger energises the start winding in relay operation?

- A) Vertically down B) Horizontally left
C) Vertically up D) Bottom side

Answer: C) Vertically up

11. What is the effect of contamination in refrigeration system?

- A) Low humidity B) High heating
C) Poor cooling D) Low pressure

Answer: C) Poor cooling

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

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

Answer: C) Boyles law

13. Which material is used for making zener diode?

- A) Platinum B) Lead
C) Silicon D) Titanium

Answer: C) Silicon

14. What is the cause for refrigerator door gap at closing position?

- A) Uneven floor level B) Uneven condenser level
C) Either side gap more D) Either side gap less

Answer: A) Uneven floor level

15. Which winding is made of thick wire in single phase induction motor?

- A) Additional B) Starting
C) Running D) Auxiliary

Answer: C) Running

16. How the capacity of refrigerator is expressed?

- A) Litres
- C) Wattage

- B) Tonnage
- D) Weightage

Answer: A) Litres

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

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

Answer: A) - 15 Degree Centigrade

18. Which gas is used for pressure testing the compressor dome?

- A) Nitrogen
- B) Refrigerant
- C) Air
- D) Oxygen

Answer: A) Nitrogen

19. What is the use of a starting capacitor in single phase induction motor?

- A) Decrease starting torque
- B) Increase starting torque
- C) Improve power factor
- D) Dis connect starting winding

Answer: B) Increase starting torque

20. Which type of rotor is used in 3 Phase induction motor?

- A) Solid rotor
- B) Squirrel cage rotor
- C) Shaded pole rotor
- D) Laminated rotor

Answer: B) Squirrel cage rotor