

Duration: 60 Mins

Total Marks: 20

ID: ITISKILL6440IZ

Student Name: _____	Roll No: _____
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1. Which material is used for making zener diode?

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

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

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

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

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

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

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

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

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

6. How the capacity of refrigerator is expressed?

- A) Wattage                      B) Litres  
C) Weightage                      D) Tonnage

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

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

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

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

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

- A) Decrease the pressure and      B) Increase the pressure and  
temperature                      temperature

- C) Heat the vapour below saturation      D) Cool the vapour above saturation

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

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

11. Which application uses the digital ICs?

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

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

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

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

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

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

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

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

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

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

- A) Electrical energy                      B) Kinetic energy  
C) Potential energy                      D) Wind energy

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

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

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

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

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

- A) 10-3 farad
- B) 10-12 farad

C) 10-6 farad

D) 10-9 farad

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

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