

January 2026

Answer Key

Duration: 15 Mins**Total Marks: 16****Q.ID: ITISKILL81160Y**

1. Which thermodynamic process the temperature is kept constant?

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

Answer: C) Isothermal process

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

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

Answer: D) Defrost timer

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

- A) Micron B) Humidity
C) Temperature D) Pressure

Answer: C) Temperature

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

- A) Hermetic reciprocating compressor B) Semi hermetic reciprocating compressor
C) Hermetic rotary compressor D) Open type reciprocating compressor

Answer: C) Hermetic rotary compressor

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

- A) 740 mm B) 730 mm
C) 760 mm D) 750 mm

Answer: C) 760 mm

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

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

Answer: D) Potential energy

7. Which factors produce work?

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

Answer: B) Force and distance

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

- A) 212 Degree Centigrade B) 100 Degree Centigrade
C) 32 Degree Centigrade D) 0 Degree Centigrade

Answer: B) 100 Degree Centigrade

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

- A) Melting tubes B) Over heating
C) Prevent Oxidation D) Chemical reaction

Answer: C) Prevent Oxidation

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

- A) Liquid B) Solid
C) Semi solid D) Vapour

Answer: D) Vapour

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

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

Answer: C) Generator and absorber

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

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

Answer: D) 1120 Degree F

13. 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
C) The piston moves down from the point of cylinder
D) The piston starts in cylinder at top

Answer: A) The piston moves up from the point of cylinder

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

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

Answer: B) Vapour absorption refrigeration

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

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

Answer: D) Silver brazing

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

A) Cool the vapour above saturation

B) Increase the pressure and temperature

C) Decrease the pressure and temperature
D) Heat the vapour below saturation

Answer: B) Increase the pressure and temperature
