

Student: Anushkual

Score: 22/25 (88.00%)

Code: 8991

1. What is the type of condenser used in direct cool refrigerator?

- A) Fin and tube
B) Shell and tube
C) Wire mesh (Correct)
D) Tube in tube

2. Which type of condenser is directly placed on water spray and air?

- A) Shell and tube condenser
B) Water cooled condenser
C) Evaporative condenser (Correct)
D) Air cooled condenser

3. Which is the constant reference for the working of AEV?

- A) Oil temperature
B) **Suction pressure (Correct)**
C) Volume expansion
D) Discharge pressure

4. Which type of evaporator is used in house hold refrigerator?

- A) Plate evaporator (Correct)**
B) Tube in tube evaporator
C) Shell and coil evaporator
D) Shell and tube evaporator

5. Which evaporator is known as extended surface evaporator?

- A) Evaporator tubes
B) **Finned evaporator (Correct)**
C) Bare tube evaporator
D) Coiled stake evaporator

6. Which type of insulation material is used in modern refrigerators?

- A) Saw dust
B) Glass wool
C) Thermocole
D) Poly urethane foam (Correct)

7. Which component is connected in series with defrost heater in a frost free refrigerator?

- A) Door switch
B) Cabinet bulb
C) Bimetal thermo (Correct)
D) Heating element

8. Which application uses the capillary tube expansion device?

- A) Domestic RAC units (Correct)**
B) Industrial ice plants
C) Commercial AC plants
D) Hospital IAQ systems

9. Which expansion valve is suitable for constant load operation?

- A) King valve
B) Relief valve
C) Low side float valve
D) Automatic expansion valve (Correct)

10. What is the process of accumulation of ice on the surface of evaporator?

- A) Frosting (Correct)**
B) Defrosting
C) Evacuating
D) Melting of frost

11. What is the desiccant used in dehydrator of hydrocarbon charged RAC unit?

- A) Silica gel (Correct)**
B) Ammonia
C) Sulphur dioxide
D) Calcium chloride

12. Why frost accumulates in window AC evaporator?

- A) Over charge of refrigerant
B) Less charge of refrigerant
C) Capillary choking
D) Air filter blocked (Correct)

13. What is the remedy for broken bimetal thermo in a frost free refrigerator?

- A) Repair the bimetal thermo
B) Reuse the bimetal thermo
C) Replace the bimetal thermo (Correct)
D) Readjust the bimetal thermo

14. Why the supply air throw is decreased in window AC?

- A) Normal RPM of fan motor
B) Clean air filter
C) Refrigerant leaks
D) Frost blocks air circulation (Correct)

15. What are the causes for blockage in capillary tube?

- A) Non condensable gases
B) **Moisture and wax from oil (Correct)**
C) Solid particles
D) Over charging of refrigerant

16. What is the name of the point at which all the weight of the body concentrated?

- A) Initial point
B) **Centre of gravity (Correct)**
C) Centroid
D) Central point

17. Where the centre of gravity of a circle lies?

A) At its centre

B) Any where on its radius
(Incorrect)

C) Any where on its
circumference

D) Any where on its diameter

18. What is the centre of gravity of a right circular cone from its base?

A) $h/2$ (Incorrect)

B) $h/3$

C) $h/4$

D) $h/5$

19. What is the centre of gravity of a sphere?

A) At the centre (Correct)

B) On the circumference

C) At the diameter

D) At the radius

20. Which one of the following geometrical shapes centre of gravity lies from its base is $1/3$ of its height?

A) Square

B) Rhombus

C) Triangle (Correct)

D) Cone

21. What is the name of the gate | ಗೇಟ್ ಹೆಸರೇನು?



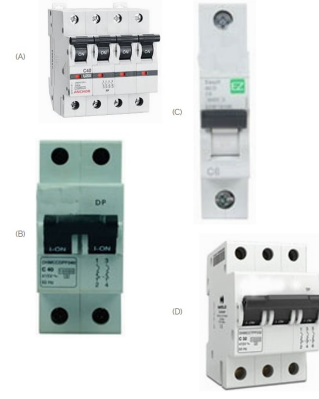
A) NOT Gate | NOT ಗೇಟ್

B) Ex-NOR Gate | Ex-NOR ಗೇಟ್

C) OR Gate | OR ಗೇಟ್
(Incorrect)

D) AND Gate | AND ಗೇಟ್

22. Which is the single pole MCB? | ಸಿಂಗಲ್ ಪೋಲ್ MCB ಯಾವುದು?



A) A

B) B

C) C (Correct)

D) D

23. Which is protective device? | ರಕ್ಷಣಾತ್ಮಕ ಸಾಧನ ಯಾವುದು?

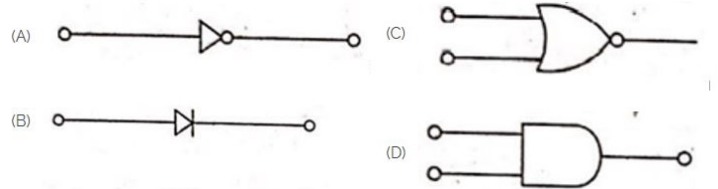
A) Fuse | ಫ್ಯೂಸ್ (Correct)

B) Resistor | ರೆಸಿಸ್ಟರ್

C) Magnet | ಮ್ಯಾಗ್ನೆಟ್

D) Capacitor | ಕೆಪಾಸಿಟರ್

24. Which is the NOT gate in the following picture? | ಕೆಳಗಿನ ಚಿತ್ರದಲ್ಲಿ NOT ಗೇಟ್ ಯಾವುದು?



A) A (Correct)

B) B

C) C

D) D

25. Which part regulates the heat in automatic iron? | ಆಟೋಮೇಟಿಕ್ ಐರನ್‌ನಲ್ಲಿನ ಶಾಖವನ್ನು ಯಾವ ಭಾಗವು ನಿಯಂತ್ರಿಸುತ್ತದೆ?

A) Heating element | ಹೀಟಿಂಗ್ ಎಲಿಮೆಂಟ್

B) Pressure plate | ಪ್ರೆಶರ್ ಪ್ಲೇಟ್

C) Thermostatic switch | ಥರ್ಮೋಸ್ಟಾಟಿಕ್ ಸ್ವಿಚ್ (Correct)

D) Asbestos sheet | ಆಸ್ಟೆಸ್ಟೋಸ್ ಶೀಟ್