

Student Name: _____

Roll No: _____

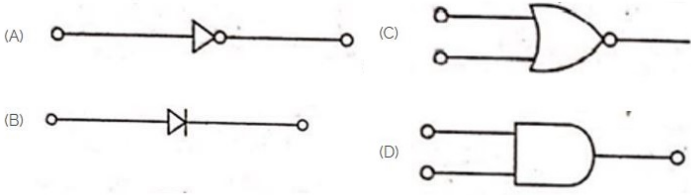
1. Which type of condenser is directly placed on water spray and air?

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

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

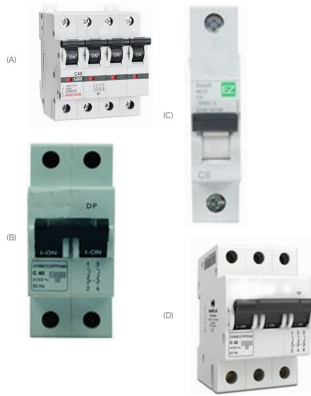
- A) Reuse the bimetal thermo B) Repair the bimetal thermo
C) Replace the bimetal thermo D) Readjust the bimetal thermo

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



- A) D B) C
C) B D) A

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



- A) B B) D
C) A D) C

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

- A) Thermostatic switch | ಥರ್ಮೋಸ್ಟಾಟಿಕ್ ಸ್ವಿಚ್
B) Heating element | ಹೀಟಿಂಗ್ ಎಲಿಮೆಂಟ್

C) Pressure plate | ಪ್ರೆಶರ್ ಪ್ಲೇಟ್

D) Asbestos sheet | ಆಸ್ಟೆಸ್ಟೋಸ್ ಷೀಟ್

6. Why frost accumulates in window AC evaporator?

- A) Air filter blocked B) Capillary chocking
C) Over charge of refrigerant D) Less charge of refrigerant

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

- A) $h/3$ B) $h/5$
C) $h/4$ D) $h/2$

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

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

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

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

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

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

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

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

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

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

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

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

14. Which evaporator is known as extended surface evaporator?

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

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

- A) Any where on its circumference B) At its centre
C) Any where on its radius D) Any where on its diameter

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

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

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

- A) Resistor | ರೆಸಿಸ್ಟರ್ B) Magnet | ಮ್ಯಾಗ್ನೆಟ್
C) Fuse | ಫ್ಯೂಸ್ D) Capacitor | ಕೆಪಾಸಿಟರ್

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



- A) Ex-NOR Gate | Ex-NOR ಗೇಟ್ B) AND Gate | AND ಗೇಟ್
C) NOT Gate | NOT ಗೇಟ್ D) OR Gate | OR ಗೇಟ್

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

- A) On the circumference B) At the centre
C) At the radius D) At the diameter

20. Which application uses the capillary tube expansion device?

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

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

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

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

- A) Rhombus B) Cone
C) Square D) Triangle

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

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

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

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

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

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