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Score: 25/25 (100.00%)

Code: 6027

1. Which type of compressor is used in window air conditioner?

- A) Belt drive
B) Open type
C) Sealed type (Correct)
D) Swash plate

2. Which type of condenser is used in window air conditioner?

- A) Fins and tube (Correct)**
B) Plate and tube
C) Plate and coil
D) Bare tube

3. Which type of evaporator is used in window air conditioner?

- A) Bare tube
B) Plate and tube
C) Fins and plate
D) Fins and tube (Correct)

4. Which material is used for making fins of condenser in a window air conditioner?

- A) Brass
B) Copper
C) Cast iron
D) Aluminium (Correct)

5. 1 Which control device is used to maintain the room air temperature?

- A) OLP
B) Relay
C) Thermostat (Correct)
D) Selector switch

6. What is the value of running capacitor used for 1.5 TR window air conditioner?

- A) 36 MFD (Correct)**
B) 40 MFD
C) 80 MFD
D) 100 MFD

7. What is the value of starting capacitor used for 1TR window air conditioner?

- A) 40 MFD
B) 60 MFD
C) 80 MFD (Correct)
D) 100 MFD

8. Which is increased by the fins of condenser tubes in window air conditioner?

- A) Heat transfer rate (Correct)**
B) Power consumption
C) Discharge pressure
D) Refrigerant flow rate

9. Which winding of compressor motor is directly connected across voltage relay coil?

- A) Main winding
C) Running winding
B) Starting winding (Correct)
D) Auxiliary winding

10. Which is indicated by the arrow mark on filter drier component?

- A) Flow direction of air
B) Position of capillary tube
C) Flow direction of refrigerant (Correct)
D) Arrangement of desiccant and filter

11. What is the capacity of compressor motor used in 1Ton window air conditioner?

- A) 0.50 HP
B) 0.75 HP (Correct)
C) 0.95 HP
D) 1.00 HP

12. Where the relay coil is internally connected in voltage relay?

- A) Across 1 and 2
B) Across 5 and 1
C) Across 5 and 2 (Correct)
D) Across 2 and 4

13. What is the reason for the compressor motor burn out in a window air conditioner?

- A) Defective fan capacitor
B) Defective fan motor
C) Defective blower
D) Defective OLP (Correct)

14. What is the remedy for the defective OLP in a window air conditioner?

- A) Repair the OLP
B) Replace the OLP (Correct)
C) Remove the parts
D) Repair the heater element

15. What is the cause of reduced supply air throw though air filter is clean in window AC?

- A) No frost in the evaporator
B) Frost accumulated in the evaporator (Correct)
C) Dust accumulated in the condenser
D) No dust accumulated in the evaporator

16. What is the unit of speed?

- A) Metre/second (Correct)**
B) Metre/second²
C) Metre/minute
D) Metre/hour

17. What is called if a body posses only magnitude or size alone?

- A) Speed
C) Vector quantity

- B) Velocity
D) Scalar quantity (Correct)

18. What is the retardation of a car moving with a velocity of 50 km/hr is brought to rest in 45 seconds?

- A) 0.40 m/sec²
B) 0.30 m/sec² (Correct)
C) 0.20 m/sec²
D) 0.10 m/sec²

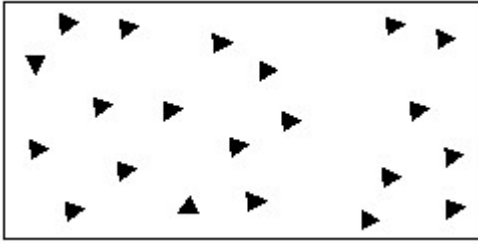
19. What is the ratio of power output to power input?

- A) Work
B) Energy
C) Efficiency (Correct)
D) Acceleration

20. What is the work done in joules if a load of 15.5 kg is lifted through a height of 4.4 metres?

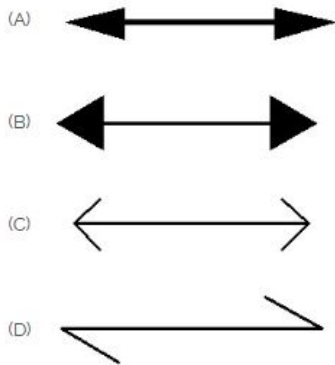
- A) 639 Joules
B) 649 Joules
C) 659 Joules
D) 669 Joules (Correct)

21. Identify the conventional symbol of material? | ವಸ್ತುವಿನ ಕನ್ವೆಷನಲ್ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ?



- A) Steel | ಸ್ಟೀಲ್
B) Wood | ಮರ
C) Glass | ಗಾಜು
D) Concrete | ಕಾಂಕ್ರೀಟ್ (Correct)

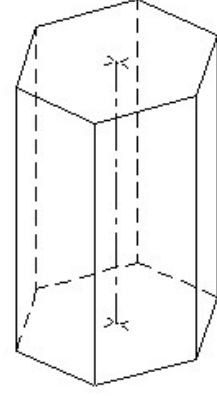
22. Which arrow head is correct as per standard? | ಮಾನದಂಡದ ಪ್ರಕಾರ ಯಾವ ಬಾಣದ ಹೆಡ್ ಸರಿಯಾಗಿದೆ?



- A) A (Correct)
C) C

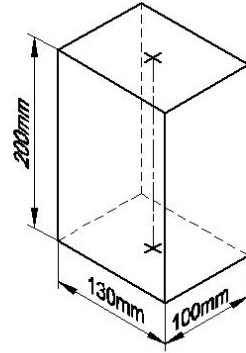
- B) B
D) D

23. Identify the name of prism? | ಪ್ರಿಸ್ಮ್ ಹೆಸರನ್ನು ಗುರುತಿಸುವುದೇ?



- A) Square prism | ಚದರ ಪ್ರಿಸ್ಮ್
B) Pentagonal prism | ಪೆಂಟಾಗೋನಲ್ ಪ್ರಿಸ್ಮ್
C) Triangular prism | ತ್ರಿಕೋನ ಪ್ರಿಸ್ಮ್
D) Hexagonal prism | ಷಡ್ಭುಜೀಯ ಪ್ರಿಸ್ಮ್ (Correct)

24. Identify the name of prism? | ಪ್ರಿಸ್ಮ್ ಹೆಸರನ್ನು ಗುರುತಿಸುವುದೇ?



- A) Rectangle prism | ಆಯತ ಪ್ರಿಸ್ಮ್ (Correct)
B) Square prism | ಚದರ ಪ್ರಿಸ್ಮ್
C) Triangular prism | ತ್ರಿಕೋನ ಪ್ರಿಸ್ಮ್
D) Hexagonal prism | ಷಡ್ಭುಜೀಯ ಪ್ರಿಸ್ಮ್

25. Identify the name of set square? | ಸೆಟ್ ಚೌಕದ ಹೆಸರನ್ನು ಗುರುತಿಸುವುದೇ?



- A) 15° set square | 15° ಸೆಟ್ ಸ್ಕೇರ್
B) 60° set square | 60° ಸೆಟ್ ಸ್ಕೇರ್
C) 30° set square | 30° ಸೆಟ್ ಸ್ಕೇರ್
D) 45° set square | 45° ಸೆಟ್ ಸ್ಕೇರ್ (Correct)