

ITI Quiz - 28-Apr-2026

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Q. ID: ITISKILL24015E

April 2026

Answer Key

Duration: 30 Mins

Total Marks: 25

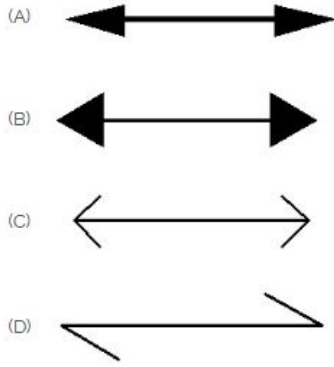
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1. What is the work done in joules if a load of 15.5 kg is lifted through a height of 4.4 metres?

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

Answer: B) 669 Joules

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



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

Answer: C) A

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

- A) 40 MFD
B) 100 MFD
C) 80 MFD
D) 36 MFD

Answer: D) 36 MFD

4. What is called if a body possesses only magnitude or size alone?

- A) Velocity
B) Vector quantity
C) Scalar quantity
D) Speed

Answer: C) Scalar quantity

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

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

Answer: C) Starting winding

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

- A) Across 2 and 4
B) Across 5 and 2

C) Across 1 and 2

D) Across 5 and 1

Answer: B) Across 5 and 2

7. What is the unit of speed?

A) Metre/minute

B)

Metre/second²

C) Metre/hour

D) Metre/second

Answer: D) Metre/second

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

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

Answer: B) 0.30 m/sec²

9. 1 Which control device is used to maintain the room air temperature?

A) OLP

B) Selector switch

C) Thermostat

D) Relay

Answer: C) Thermostat

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

A) Refrigerant flow rate

B) Discharge pressure

C) Heat transfer rate

D) Power consumption

Answer: C) Heat transfer rate

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

A) Repair the heater element

B) Repair the OLP

C) Replace the OLP

D) Remove the parts

Answer: C) Replace the OLP

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

A) Plate and tube

B) Fins and tube

C) Plate and coil

D) Bare tube

Answer: B) Fins and tube

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

A) Bare tube

B) Fins and plate

C) Plate and tube

D) Fins and tube

Answer: D) Fins and tube

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

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

Answer: B) Flow direction of refrigerant

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

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

Answer: D) Efficiency

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

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

Answer: B) 0.75 HP

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

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

Answer: C) 80 MFD

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

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

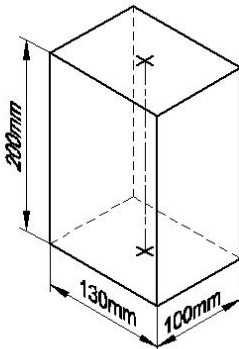
Answer: C) Aluminium

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

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

Answer: A) Frost accumulated in the evaporator

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



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

Answer: C) Rectangle prism | ಆಯತ ಪ್ರಿಸ್ಮ್

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



- A) 30° set square | 30° ಸೆಟ್ ಸ್ಕ್ವೇರ್
B) 15° set square | 15° ಸೆಟ್ ಸ್ಕ್ವೇರ್
C) 45° set square | 45° ಸೆಟ್ ಸ್ಕ್ವೇರ್
D) 60° set square | 60° ಸೆಟ್ ಸ್ಕ್ವೇರ್

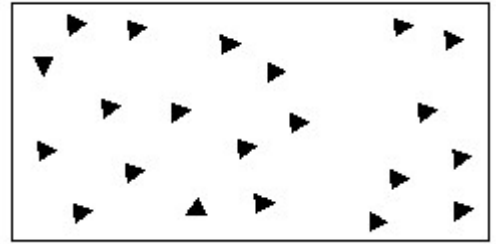
Answer: C) 45° set square | 45° ಸೆಟ್ ಸ್ಕ್ವೇರ್

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

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

Answer: B) Defective OLP

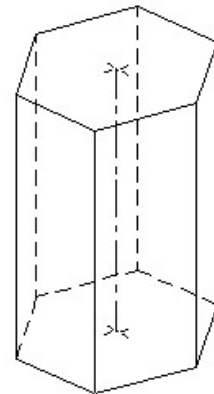
23. Identify the conventional symbol of material? | ವಸ್ತುವಿನ ಕನ್ವೆಷನಲ್ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ?



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

Answer: B) Concrete | ಕಾಂಕ್ರೀಟ್

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



- A) Hexagonal prism | ಷಡ್ಭುಜೀಯ ಪ್ರಿಸ್ಮ್
B) Triangular prism | ತ್ರಿಕೋನ ಪ್ರಿಸ್ಮ್

C) Pentagonal prism |
ಪೆಂಟಗೋನಲ್ ಪ್ರಿಸ್ಮ್

D) Square prism | ಚದರ ಪ್ರಿಸ್ಮ್

Answer: A) Hexagonal prism | ಷಡ್ಭುಜೀಯ ಪ್ರಿಸ್ಮ್

25. Which type of compressor is used in window air

conditioner?

A) Sealed type

B) Belt drive

C) Swash plate

D) Open type

Answer: A) Sealed type