

May 2026

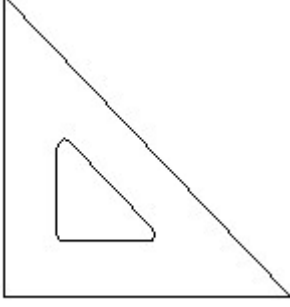
Answer Key

Duration: 30 Mins

Total Marks: 25

Q.ID: ITISKILL6624YO

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



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

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

2. Which component belongs to indoor unit of split AC?

- A) Evaporator
 B) Condenser
 C) Drier
 D) Compressor

Answer: A) Evaporator

3. What is the function of starting capacitor in CSIR motor?

- A) Corrects power factor
 B) Improves energy efficiency
 C) Gives initial torque
 D) Gives running torque

Answer: C) Gives initial torque

4. What is the effect on defective thermostat sensor in split AC?

- A) Relay malfunctions
 B) AC unit runs continuously
 C) Unit consumes less power
 D) Increases super heat

Answer: B) AC unit runs continuously

5. What is the value of $a^2 + b^2$ if $a + b = 9$ and $ab = 20$?

- A) (-41)
 B) 121
 C) (-121)
 D) 41

Answer: D) 41

6. Which force acts on crank shaft?

- A) Torsional stress
 B) Compressive stress
 C) Tensile stress
 D) Shear stress

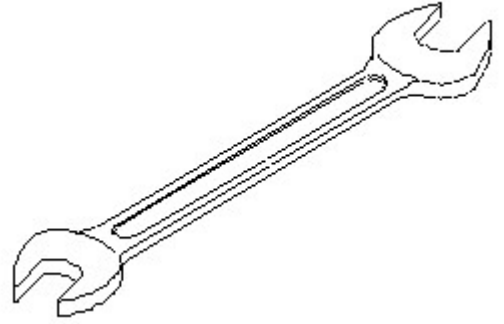
Answer: A) Torsional stress

7. Which horizontal distance is preferred between indoor and outdoor units in ductable split AC installation?

- A) 15 meters
 B) 25 meters
 C) 20 meters
 D) 12 meters

Answer: D) 12 meters

8. Identify the name of tool? | ಉಪಕರಣದ ಹೆಸರನ್ನು ಗುರುತಿಸುವುದೇ?



- A) Combination spanner | ಕಾಂಬಿನೇಷನ್ ಸ್ಪಾನರ್
 B) Adjustable spanner | ಹೊಂದಿಸಬಹುದಾದ ಸ್ಪಾನರ್
 C) Open end spanner | ಓಪನ್ ಎಂಡ್ ಸ್ಪಾನರ್
 D) Ring spanner | ರಿಂಗ್ ಸ್ಪಾನರ್

Answer: C) Open end spanner | ಓಪನ್ ಎಂಡ್ ಸ್ಪಾನರ್

9. Which type fan blade is used with out door unit of split AC?

- A) Vane
 B) Guide vane
 C) Centrifugal
 D) Propeller

Answer: D) Propeller

10. How many fan motors are used in split AC?

- A) Four
 B) Five
 C) Two
 D) Three

Answer: C) Two

11. Which motor is used to drive the blower of indoor unit in ductable split air conditioners?

- A) Capacitor start capacitor run motor
 B) Shaded pole motor
 C) Permanent split capacitor motor
 D) Three phase induction motor

Answer: C) Permanent split capacitor motor

12. Where the refrigerant is stored in split AC during pump down operation?

- A) Condenser
B) Accumulator
C) Compressor
D) Evaporator

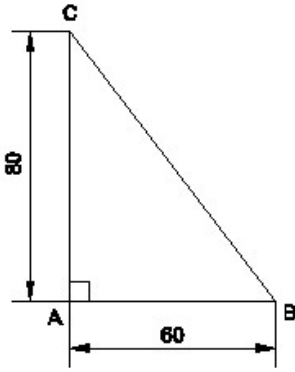
Answer: A) Condenser

13. What is the reason for poor condensation in split AC?

- A) High ambient temperature
B) Low ambient temperature
C) Condenser tube leaky
D) Blower motor failure

Answer: A) High ambient temperature

14. Identify the name of the triangle? | ತ್ರಿಕೋನದ ಹೆಸರನ್ನು ಗುರುತಿಸುವುದೇ?



- A) Equilateral triangle | ಸಮಕೋನ ತ್ರಿಕೋನ
B) Right angle triangle | ಬಲ ಕೋನ ತ್ರಿಕೋನ
C) Isosceles triangle | ಸಮದ್ವಿಬಾಹು ತ್ರಿಕೋನ
D) Scalene triangle | ಸ್ಕೇಲಿನ್ ತ್ರಿಕೋನ

Answer: B) Right angle triangle | ಬಲ ಕೋನ ತ್ರಿಕೋನ

15. Which material is used to make ducts in split AC?

- A) Thermocole
B) GI sheet
C) Fibre
D) Wood

Answer: B) GI sheet

16. How the pressure drop of refrigerant flow is minimised during installation of indoor and outdoor units in ductable split AC?

- A) With more horizontal distance
B) Pipe lines with more joints
C) System pipes with minimum bends
D) Install units as far as possible

Answer: C) System pipes with minimum bends

17. Which is the mounting location of evaporator in ductable split unit?

- A) Floor mounting
B) Roof mounting
C) Wall mounting
D) Ceiling mounting

Answer: D) Ceiling mounting

18. What is the reason for air conditioner running

continuously but no cooling effect ?

- A) Condensation poor
B) Refrigerant is more
C) Refrigerant leaked
D) Over charged oil

Answer: C) Refrigerant leaked

19. What is volume of the cylinder whose radius is 7 cm and height 12 cm?

- A) 1847 c.c
B) 1842 c.c
C) 1844 c.c
D) 1846 c.c

Answer: A) 1847 c.c

20. Compass used to draw for ____. | ಕಂಪಾಸ್ ಅನ್ನು _____ ಗೆ ಸೆಳೆಯಲು ಬಳಸಲಾಗುತ್ತದೆ.

- A) square | ಚದರ
B) triangle | ತ್ರಿಕೋನ
C) circle | ವೃತ್ತ
D) rectangle | ಆಯಾತ

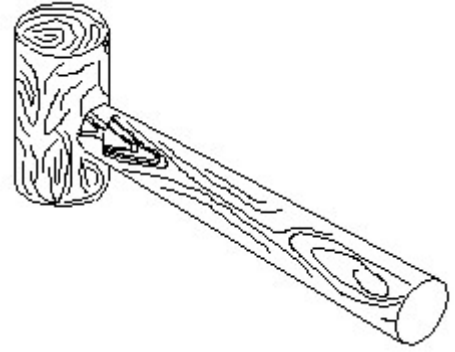
Answer: C) circle | ವೃತ್ತ

21. What is the centre of gravity of a solid hemisphere from its base?

- A) $3r/8$
B) $3r/4$
C) $4r/5$
D) $r/2$

Answer: A) $3r/8$

22. Identify the name of tool? | ಉಪಕರಣದ ಹೆಸರನ್ನು ಗುರುತಿಸುವುದೇ?



- A) Mallet | ಮ್ಯಾಲೆಟ್
B) Cross pein hammer | ಕ್ರಾಸ್ ಪೀನ್ ಸುತ್ತಿಗೆ
C) Ball pein hammer | ಬಾಲ್ ಪೀನ್ ಸುತ್ತಿಗೆ
D) Straight pein hammer | ಸ್ಟ್ರೈಟ್ ಪೀನ್ ಸುತ್ತಿಗೆ

Answer: A) Mallet | ಮ್ಯಾಲೆಟ್

23. What is the function of remote control in split AC?

- A) Transmits signal to operate AC
B) Humidity setting
C) Pressure setting
D) Drain water control

Answer: A) Transmits signal to operate AC

24. What is the value of 'X' if $x - y = 6$ and $x + y = 8$?

- A) 5
B) 14
C) 6
D) 7

Answer: D) 7

25. Which type of fan blade is used with indoor unit?

A) Blower

B) Vane|

C) Axial

D) Guide vane

Answer: A) Blower
