

May 2026

Question Paper

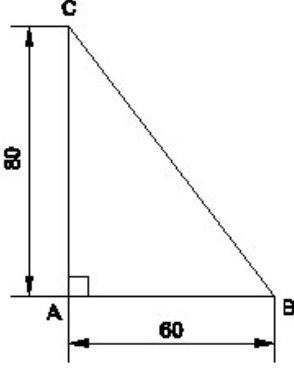
Duration: 30 Mins

Total Marks: 25

ID: ITISKILL6624YO

Student Name: _____ Roll No: _____

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

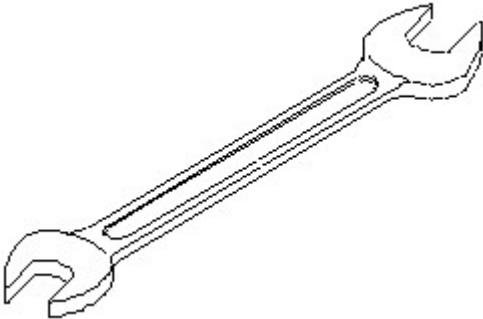


- A) Scalene triangle | ಸ್ಕೇಲಿನ್ ತ್ರಿಕೋನ
 B) Isosceles triangle | ಸಮದ್ವಿಭಾಹು ತ್ರಿಕೋನ
 C) Right angle triangle | ಬಲ ಕೋನ ತ್ರಿಕೋನ
 D) Equilateral triangle | ಸಮಕೋನ ತ್ರಿಕೋನ

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

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

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



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

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

- A) Drier
 B) Evaporator

C) Compressor

D) Condenser

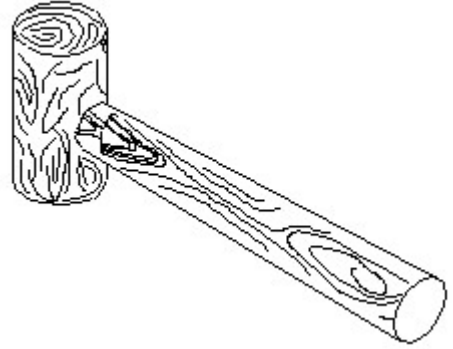
5. What is volume of the cylinder whose radius is 7 cm and height 12 cm?

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

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

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

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



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

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

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

9. Which force acts on crank shaft?

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

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

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

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) Three phase induction motor
D) Permanent split capacitor motor

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

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

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

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

14. What is the reason for air conditioner running continuously but no cooling effect ?

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

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

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

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

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

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

- A) Guide vane
B) Vane|
C) Axial
D) Blower

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

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

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

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

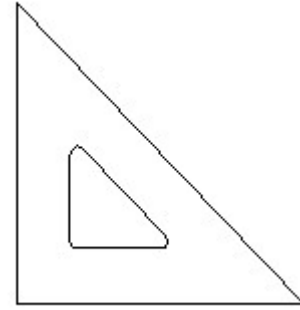
20. Compass used to draw for ___. | ಕಂಪಾಸ್ ಅನ್ನು _____ ಗೆ ಸೆಳೆಯಲು ಬಳಸಲಾಗುತ್ತದೆ.

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

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

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

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



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

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

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

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

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

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

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