

Student: Yaksheeth puthran

Score: 19/25 (76.00%)

Code: 0026

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

- A) Compressor                      B) Condenser  
**C) Evaporator (Correct)**        D) Drier

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

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

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

- A) Thermocole                      **B) GI sheet (Correct)**  
 C) Wood                                D) Fibre

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

- A) Vane                                B) Guide vane  
**C) Propeller (Correct)**            D) Centrifugal

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

- A) Two (Correct)**                      B) Five  
 C) Four                                 D) Three

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

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

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

- A) Accumulator                      B) Compressor  
 C) Evaporator                        **D) Condenser (Correct)**

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

- A) 15 meters                        **B) 12 meters**  
 C) 20 meters (Incorrect)        D) 25 meters

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

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

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

- A) Floor mounting                      B) Wall mounting (Incorrect)  
**C) Ceiling mounting**                D) Roof mounting

11. 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 (Correct)**

12. 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) With more horizontal distance (Incorrect)**  
**C) System pipes with minimum bends**        D) Install units as far as possible

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

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

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

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

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

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

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

- A) 5                                        B) 6  
**C) 7 (Correct)**                        D) 14

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

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

18. Which force acts on crank shaft?

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

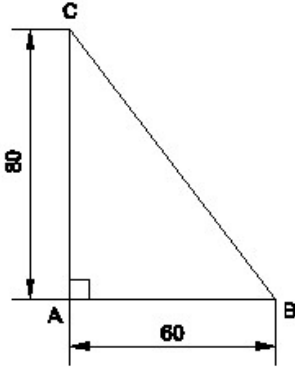
19. What is the centre of gravity of a solid hemisphere from its base?

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

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

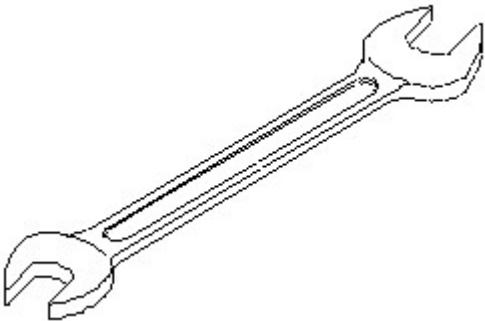
- A) 1842 c.c  
C) 1846 c.c (Incorrect)  
B) 1844 c.c  
D) 1847 c.c

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



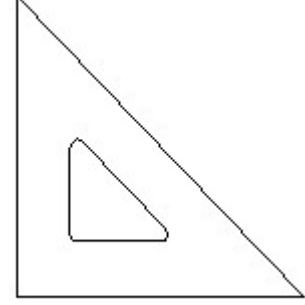
- A) Equilateral triangle | ಸಮಕೋನ ತ್ರಿಕೋನ  
C) Scalene triangle | ಸ್ಕೇಲಿನ್ ತ್ರಿಕೋನ  
B) Isosceles triangle | ಸಮದ್ವಿಭಾಹು ತ್ರಿಭುಜ  
D) Right angle triangle | ಬಲ ಕೋನ ತ್ರಿಕೋನ (Correct)

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



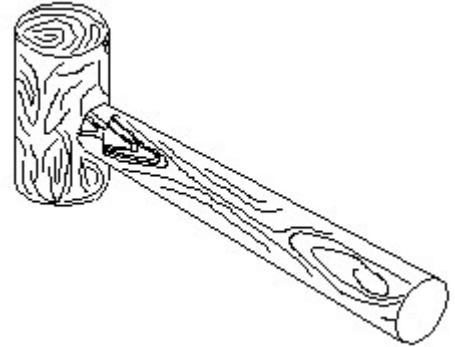
- A) Open end spanner | ಓಪನ್ ಎಂಡ್ ಸ್ಪ್ಯಾನರ್ (Correct)  
C) Combination spanner | ಕಾಂಬಿನೇಶನ್ ಸ್ಪ್ಯಾನರ್  
B) Ring spanner | ರಿಂಗ್ ಸ್ಪ್ಯಾನರ್  
D) Adjustable spanner | ಹೊಂದಿಸಬಹುದಾದ ಸ್ಪ್ಯಾನರ್

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



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

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



- A) Ball pein hammer | ಬಾಲ್ ಪೆನ್ ಸುತ್ತಿಗೆ  
C) Cross pein hammer | ಕ್ರಾಸ್ ಪೆನ್ ಸುತ್ತಿಗೆ  
B) Mallet | ಮ್ಯಾಲೆಟ್ (Correct)  
D) Straight pein hammer | ಸ್ಟ್ರೇಟ್ ಪೆನ್ ಸುತ್ತಿಗೆ

25. Compass used to draw for \_\_\_\_. | ಕಂಪಾಸ್ ಅನ್ನು \_\_\_\_ ಗೆ ಸೆಳೆಯಲು ಬಳಸಲಾಗುತ್ತದೆ.

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