

# RACT 2025-27 1ST YEAR APRIL MONTHLY TEST 2026

Q. ID: ITISKILL56782N

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Govt iti udupi

Question Paper

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Score: 15/25 (60.00%)

Code: 3847

1. 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

2. 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)**

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

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

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

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

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

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

6. What is the purpose of relay used in window air conditioner?

- A) Disconnect the starting capacitor** B) Disconnect the running capacitor (Incorrect)  
C) Disconnect the fan capacitor D) Disconnect the winding

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

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

8. Which winding has high inductance value in CSR compressor motor?

- A) Common winding **B) Running winding**

C) Starting winding (Incorrect)

D) Auxiliary winding

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

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

10. Which stabilizer capacity is used for 1 Ton window air conditioner?

- A) 2 KVA B) **3 KVA**  
C) 4 KVA (Incorrect) D) 5 KVA

11. How to neutralise the concentration of leaked ammonia from air

- A) Recover ammonia from air B) **Spraying a lot of water (Correct)**  
C) Shut down the plant D) Spray Hydrochloric acid

12. What is the reason for excessive frost on evaporator coil in window AC?

- A) Evaporator fins not blocked by dust B) Blower rotating at higher speed  
**C) Air filter blocked completely** D) More air circulation in evaporator (Incorrect)

13. 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

14. What is the reason for the compressor does not start but the fan motor works normally in window AC?

- A) Defective blower B) Defective fan motor  
C) Defective fan capacitor (Incorrect) **D) Defective compressor motor**

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 diameter of the semicircle, if the circumference of the semicircle is 21.98 cm?

- A) 8.55 cm (Correct)      B) 8 cm  
C) 7.55 cm                      D) 7 cm

17. Which force acts on rivets?

- A) Tensile force                      B) Compressive force  
C) Shear force (Correct)      D) Bending force

18. How the years is denoted in simple interest calculations?

- A) P                                      B) I  
C) n (Correct)                      D) r

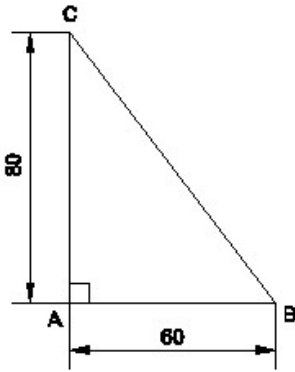
19. What is the work done in joules if a load of 15.5 kg is lifted through a height of 4.4 metres?

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

20. How many millimetres are there in 1 inch?

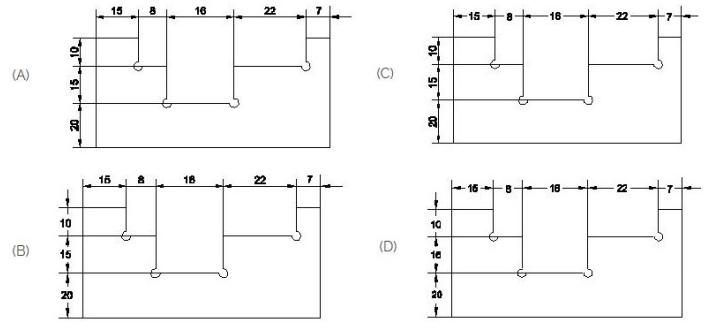
- A) 2.54 mm                          B) 25.4 mm (Correct)  
C) 24.5 mm                          D) 2.45 mm

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



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

22. Identify the correct aligned system dimension? | ಸರಿಯಾದ ಜೋಡಿಸಲಾದ ಸಿಸ್ಟಮ್ ಆಯಾಮವನ್ನು ಗುರುತಿಸುವುದೇ?

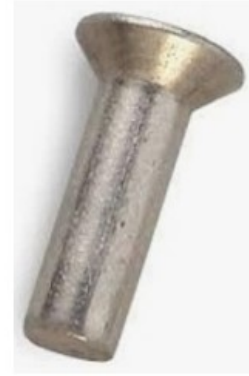


- A) A                                      B) B  
C) C                                      D) D (Incorrect)

23. GMAW stands for \_\_\_\_\_ | GMAW ಎಂದರೆ \_\_\_\_\_

- A) Gun Metal Arc Welding      B) Gas Metal Arc Welding (Correct)  
C) Gas Tungsten Arc Welding      D) Germanium Metal Arc Welding

24. The rivet head for a general purpose shown in the figure below is \_\_\_\_\_ | ಕೆಳಗಿನ ಚಿತ್ರದಲ್ಲಿ ತೋರಿಸಿರುವ ಸಾಮಾನ್ಯ ಉದ್ದೇಶಕ್ಕಾಗಿ ರಿವೆಟ್ ಹೆಡ್:



- A) snap | ಸ್ನಾಪ್                          B) pan | ಪ್ಯಾನ್  
C) counter sunk | ಕೌಂಟರ್ ಸುಂಕ್ (Correct)  
D) flat | ಫ್ಲಾಟ್

25. Which device is used to start and stop a motor? | ಮೋಟಾರ್ ಅನ್ನು ಪ್ರಾರಂಭಿಸಲು ಮತ್ತು ನಿಲ್ಲಿಸಲು ಯಾವ ಸಾಧನವನ್ನು ಬಳಸಲಾಗುತ್ತದೆ?

- A) Rotor | ರೋಟರ್                      B) Starter | ಸ್ಟಾರ್ಟರ್ (Correct)  
C) Stator | ಸ್ಟೇಟರ್                      D) Slip ring | ಸ್ಲಿಪ್ ರಿಂಗ್