ITI Quiz - 14-Jul-2026 10:35 AM

Q. ID: ITISKILL5460DV

July 2026 | **GOVT.ITI,H.D. KOTE** | Question Paper

Student: ABHISHEK
Score: 6/25 (24.00%)

Code: 9018

1. Which is very good conductor?

A) Copper | B) Cast iron
C) Wrought iron | D) Steel (Incorrect)

2. What is the resistance?

I = 11.5 Amps

V = 380 Volts

R = _____Ohms

A) 13 ohms | B) 23 ohms
C) 33 ohms | D) 43 ohms (Incorrect)

3. What is the voltage?

R = 250 Ohms

I = 0.44 Amps

V = ____Volts

A) 100 Volts (Incorrect) | B) 105 Volts
C) 108 Volts | **D) 110 Volts**

4. What is the resistance of an electric iron if the rating of electric iron is 220 V and 500 watts?

A) 94.8 ohms | B) 95.8 ohms
C) 96.8 ohms | D) 97.8 ohms (Incorrect)

5. Which law states about electromagnetic induction?

A) Ohm's law | B) Hooke's law
C) Lenz's law (Incorrect) | **D) Faraday's law**

6. What is the formual for induced emf?

A) B²L sinq volts | B) BL sinq volts
C) BLV sinq volts | D) B²V sinq volts (Incorrect)

7. How many hours will take for a 100 watts bulb to consume 1 kwh energy?

W = 1 Kwh

P = 100 Watts

t = ____Hours

A) 10 hours | B) 12 hours
C) 18 hours | D) 24 hours (Incorrect)

8. What is the specific gravity of the solid, if density of the solid is 19.5 g/cm³?

A) 8 | B) 18.5
C) 19 | **D) 19.5 (Correct)**

9. Which metal contains iron as a major content?

A) Brass metal | B) Bronze metal
C) Zinc (Incorrect) | **D) Ferrous metal**

10. Which steel is used for making files and cold chisel?

A) Low carbon steel (Incorrect) | B) Midium carbon steel
C) High carbon steel | D) Stainless steel

11. What is the area of a square whose side is 18 cm?

A) 26 cm² | B) 36 cm² (Incorrect)
C) 72 cm² | **D) 324 cm²**

12. What is the perimeter of a rectangle whose length and breadth are 20 cm and 18 cm?

A) 56 cm | B) 66 cm
C) 76 cm (Correct) | D) 86 mm

13. Find the total surface area of a cast iron bar whose length, width and height are 20m, 15m and 12m.

A) 1340 m² (Incorrect) | **B) 1440 m²**
C) 1540 m² | D) 1640 m²

14. What is the volume of a rectangular tank of 30 m length, 20m width and 10m height?

A) 5900 m³ | **B) 6000 m³**
C) 6100 m³ (Incorrect) | D) 6200 m³

15. What is called if a body posses only magnitude or size alone?

A) Speed (Incorrect) | B) Velocity
C) Vector quantity | **D) Scalar quantity**

16. What is the unit of acceleration of an object?

A) Metre/second	**B) Metre/second² (Correct)**
C) Metre/minutes	D) Metre/minutes²

17. What maximum height a stone will reach if it is thrown upwords with a velocity of 20m/sec?(g = 10m/sec²)

A) 10 m	**B) 20 m (Correct)**
C) 30 m	D) 40 m

18. What is the formula for potential energy?

A) mgh joule	B) mgh² joule (Incorrect)
C) 1/2 mgh joule	D) 2/3 mgh joule

19. What is the potential energy in a body of mass 10 kg kept on the top of a pole 20 metres height?

A) 1942 Joules	B) 1952 Joules (Incorrect)
C) 1962 Joules	D) 1972 Joules

20. What are fundamental units?

A) Length, Mass, Volume	**B) Length, Mass, Time (Correct)**
C) Length, Mass, Area	D) Length, Pressure, Volume

21. Convert decimal 0.000659 to fraction?

A) (659/1000)	B) (659/10000)
C) (659/100000) (Incorrect)	**D) (659/1000000)**

22. What is the length of each part is a copper wire of 225 metre long is cut into 900 equal parts?

A) 0.23 metre (Incorrect)	**B) 0.25 metre**
C) 0.28 metre	D) 0.29 metre

23. What is the square root of 529? | 529 ರ ವರ್ಗಮೂಲ ಯಾವುದು?

A) 13 (Incorrect)	**B) 23**
C) 33	D) 43

24. Which is equal to sinθ? | ಯಾವುದು sinθ ಗೆ ಸಮಾನ?

(A) $\frac{\text{Opposite side}}{\text{Hypotenuse}}$

(B) $\frac{\text{Hypotenuse}}{\text{Opposite side}}$

(C) $\frac{\text{Adjacent side}}{\text{Hypotenuse}}$

(D) $\frac{\text{Hypotenuse}}{\text{Adjacent side}}$

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

25. What is the value of tan 45° if sin 45° = 1/□ 2? | Sin 45° = 1/□ ಆಗಿದ್ದರೆ tan 45° ಮೌಲ್ಯ ಎಷ್ಟು?

(A) $\frac{1}{\sqrt{2}}$

(B) $\frac{\sqrt{3}}{2}$

(C) 1

(D) $\frac{1}{\sqrt{3}}$

A) A	B) B
C) C (Correct)	D) D