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

Q. ID: ITISKILL5460DV

July 2026 | **GOVT.ITI,H.D. KOTE** | Answer Key

Duration: 60 Mins | **Total Marks: 25** | **Q.ID: ITISKILL5460DV**

1. 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) 30 m
C) 20 m
D) 40 m

Answer: C) 20 m

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

A) 56 cm
B) 76 cm
C) 66 cm
D) 86 mm

Answer: B) 76 cm

3. 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
B) 0.25 metre
C) 0.29 metre
D) 0.28 metre

Answer: B) 0.25 metre

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

A) 43
B) 23
C) 13
D) 33

Answer: B) 23

5. What is the formual for induced emf?

A) BL sinq volts
B) B²L sinq volts
C) BLV sinq volts
D) B²V sinq volts

Answer: C) BLV sinq volts

6. What are fundamental units?

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

Answer: B) Length, Mass, Time

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

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

Answer: D) 1962 Joules

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

A) Speed
B) Scalar quantity
C) Velocity
D) Vector quantity

Answer: B) Scalar quantity

9. 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) B
B) C
C) D
D) A

Answer: D) A

10. How many hours will take for a 100 watts bulb to consume 1 kwh energy?
 W = 1 Kwh
 P = 100 Watts
 t = _____Hours

A) 24 hours
B) 12 hours
C) 10 hours
D) 18 hours

Answer: C) 10 hours

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

A) 18.5
B) 8
C) 19
D) 19.5

Answer: D) 19.5

12. What is the resistance?
 I = 11.5 Amps
 V = 380 Volts
 R = _____Ohms

A) 43 ohms
B) 33 ohms
C) 13 ohms
D) 23 ohms

Answer: B) 33 ohms

13. What is the voltage?
 R = 250 Ohms
 I = 0.44 Amps
 V = _____Volts

A) 110 Volts
B) 100 Volts
C) 108 Volts
D) 105 Volts

Answer: A) 110 Volts

14. What is the formula for potential energy?

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

Answer: B) mgh joule

15. Which law states about electromagnetic induction?

A) Ohm's law
B) Lenz's law
C) Faraday's law
D) Hooke's law

Answer: C) Faraday's law

16. 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) D
B) A
C) B
D) C

Answer: D) C

17. Which metal contains iron as a major content?

A) Ferrous metal
B) Zinc
C) Bronze metal
D) Brass metal

Answer: A) Ferrous metal

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

A) 97.8 ohms
B) 96.8 ohms
C) 94.8 ohms
D) 95.8 ohms

Answer: B) 96.8 ohms

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

A) 1540 m²
B) 1440 m²
C) 1640 m²
D) 1340 m²

Answer: B) 1440 m²

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

A) Low carbon steel
B) Stainless steel
C) High carbon steel
D) Midium carbon steel

Answer: C) High carbon steel

21. Convert decimal 0.000659 to fraction?

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

Answer: C) (659/1000000)

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

A) 36 cm²
B) 26 cm²
C) 324 cm²
D) 72 cm²

Answer: C) 324 cm²

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

A) Metre/minutes²
B) Metre/minutes
C) Metre/second²
D) Metre/second

Answer: C) Metre/second²

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

A) 6000 m³
B) 6100 m³
C) 5900 m³
D) 6200 m³

Answer: A) 6000 m³

25. Which is very good conductor?

A) Steel
B) Cast iron
C) Wrought iron
D) Copper

Answer: D) Copper