

ITI Quiz - 17-Jun-2026

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Q. ID: ITISKILL21954A

June 2026

Trinity, College udhyavara udupi

Answer Key

Duration: 180 Mins

Total Marks: 25

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1. How the profit / gain is expressed?

- A) Rs. B) *
- C) % D) \$

Answer: C) %

2. How many hours will take for a 100 watts bulb to consume 1 kwh energy? $W = 1 \text{ Kwh}$ $P = 100 \text{ Watts}$ $t = \text{_____Hours}$

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

Answer: A) 10 hours

3. Which law states that at constant temperature the current passing through a closed circuit is directly proportional to the potential difference and inversely proportional to the resistance?

- A) Hooke's law B) Lenz's law
- C) Ohm's law D) Newton's law

Answer: C) Ohm's law

4. Which IE rules are to be verified on completion of wiring on any new installation?

- A) IE Rules, 1967 B) IE Rules, 1956
- C) IE Rules, 1961 D) IE Rules, 1960

Answer: B) IE Rules, 1956

5. Who prepares the cost of estimation?

- A) Operator B) Estimator
- C) Quality Inspector D) Draughts man

Answer: B) Estimator

6. Which is mineral insulator

- A) Quartz B) Glass
- C) Porcelain D) Mica

Answer: D) Mica

7. What is termed as the quantity of matter contained in a body?

- A) Specific gravity B) Density
- C) Mass D) Volume

Answer: C) Mass

8. Which force acts on crank shaft?

- A) Shear stress B) Compressive stress

C) Torsional stress

D) Tensile stress

Answer: C) Torsional stress

9. What is the weight force of a car has a mass of 800 kg?(Take $g = 9.81 \text{m/sec}$)

- A) 7847 Newton B) 7487 Newton
- C) 7748 Newton D) 7848 Newton

Answer: D) 7848 Newton

10. What is the mechanical advantage, if a load of 1000 kg is lifted by a simple machine and effort applied is 250 kg?

- A) 8 B) 4
- C) 3 D) 6

Answer: B) 4

11. What is the weight of a rectangular block of a cast iron of 250cm X 20cm X 8cm (density of cast iron is 7.8 gm/cm^3)?

- A) 410 kg B) 312 kg
- C) 372 kg D) 525 kg

Answer: B) 312 kg

12. What is the boiling point of mercury?

- A) 759 Degree C B) 280 Degree C
- C) 767 Degree C D) 357 Degree C

Answer: D) 357 Degree C

13. What is the value of x if $13+x=20$?

- A) 8 B) 13
- C) 9 D) 7

Answer: D) 7

14. What is the square root of decimal number 550.37?

- A) 23.46 B) 22.46
- C) 22.26 D) 21.26

Answer: A) 23.46

15. Which alloy steel is used to make permanent magnets?

- A) Cobalt steel B) Silicon steel
- C) Manganese steel D) Vanadium steel

Answer: A) Cobalt steel

16. What will be the rpm of smaller gear if a 180 mm dia meshes with 60 mm dia gear and the bigger gear makes 60

rpm?

- A) 120 rpm
- B) 140 rpm
- C) 160 rpm
- D) 180 rpm

Answer: D) 180 rpm

17. What is the boiling point of water in fahrenheit scale?

- A) 212 Degree F
- B) 112 Degree F
- C) 180 Degree F
- D) 100 Degree F

Answer: A) 212 Degree F

18. Which is the example for statically induced emf?

- A) Transformer
- B) Refrigerator
- C) Generator
- D) Motor

Answer: A) Transformer

19. Which state of equilibrium's example is, A cone resting on its base?

- A) Both A and B
- B) Stable
- C) Un-stable
- D) Neutral

Answer: B) Stable

20. Which affects the centre of gravity of the object

- A) Shape
- B) Weight
- C) Density
- D) Mass

Answer: D) Mass

21. Which law states about electromagnetic induction?

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

Answer: D) Faraday's law

22. What is the area of a right angled triangle having a base 10 cm and height 5 cm?

- A) 25 sq.cm
- B) 30 sq.cm
- C) 35 sq.cm
- D) 20 sq.cm

Answer: A) 25 sq.cm

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

- A) 5900 m^3
- B) 6200 m^3
- C) 6000 m^3
- D) 6100 m^3

Answer: C) 6000 m^3

24. What is the filament resistance if a 6 volt bulb draws a current of 0.5 Amps?

- A) 3 W
- B) 10 W
- C) 1.2 W
- D) 12 W

Answer: D) 12 W

25. What is the angle of elevation of the top of a light house of 15 m height seen at a point 15 m away from the base?

- A) 30 Degree
- B) 45 Degree
- C) 90 Degree
- D) 60 Degree

Answer: B) 45 Degree