

ITI Quiz W/c - 05- May-2026 09:47 AM

Q. ID: ITISKILL3196TL

May 2026

Trinity, College udhyavara udupi

Answer Key

Duration: 155 Mins

Total Marks: 50

Q.ID: ITISKILL3196TL

1. Which insulating material is most widely used in refrigerators?

- A) Thermocole B) Polyurethane
C) Cork sheet D) Glass wool

Answer: B) Polyurethane

2. What is the centre of gravity of a right circular cone from its base?

- A) $h/3$ B) $h/4$
C) $h/5$ D) $h/2$

Answer: B) $h/4$

3. What is the area of the circle, if the circumference of the circle is 44cm?

- A) 154 cm^2 B) 128 cm^2
C) 130 cm^2 D) 129 cm^2

Answer: A) 154 cm^2

4. Which is the short form of profit and loss statement?

- A) L & P B) PR & LS
C) P & L D) PRO & LOS

Answer: C) P & L

5. What is the weight of the iron ball has volume of 250 cc and density 7.5 gm/cc?

- A) 1975 gram B) 1785 gram
C) 1875 gram D) 1750 gram

Answer: C) 1875 gram

6. What is known for the temperature at which any solid melts into liquid?

- A) Melting point B) Latent heat of fusion
C) Latent heat of vapourisation D) Boiling point

Answer: A) Melting point

7. What is the purpose of tempering a steel?

- A) To increase the brittleness B) To increase the hardness
C) To remove the ductility D) To reduce the brittleness

Answer: D) To reduce the brittleness

8. What is term used for 2 x linear expansion?

- A) Co-efficient of linear expansion B) Co-efficient of cubical expansion

- C) Co-efficient of superficial expansion D) Co-efficient of friction

Answer: C) Co-efficient of superficial expansion

9. What is the diagonal of a square plate whose side is 28 cm?

- A) 39.39 cm B) 39.59 cm
C) 39.49 cm D) 39.29 cm

Answer: B) 39.59 cm

10. Which is mineral insulator

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

Answer: B) Mica

11. What is the value in degree centigrade for 20 Degree F?

- A) -6.37 Degree C B) -6.47 Degree C
C) -6.67 Degree C D) -6.57 Degree C

Answer: C) -6.67 Degree C

12. Which property of metal has its power of returning to its original shape after the applied force is released?

- A) Tenacity B) Malleability
C) Plasticity D) Elasticity

Answer: D) Elasticity

13. Which process produce equilibrium conditions?

- A) Annealing and Hardening B) Annealing and Normalising
C) Normalising and Tempering D) Normalising and Tempering

Answer: B) Annealing and Normalising

14. What is the tensile strain if a force of 3.2 KN is applied to a bar of original length 2800 mm extends the bar by 0.5 mm?

- A) 0.0001687 B) 0.0001968
C) 0.0001867 D) 0.0001786

Answer: D) 0.0001786

15. Which affects the centre of gravity of the object

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

Answer: C) Mass

- C) 10 cm D) 5 cm

Answer: C) 10 cm

34. What metals contained in brass alloy?

- A) Copper and tin B) Copper and lead
C) Copper and zinc D) Copper and aluminium

Answer: C) Copper and zinc

35. Which is example for second order lever?

- A) A pair of scissors B) Bottle opener
C) Common balance D) Human forearm

Answer: B) Bottle opener

36. How many watts for 1 horse power in metric system?

- A) 755.5 watts B) 735.5 watts
C) 725.5 watts D) 745.5 watts

Answer: B) 735.5 watts

37. Which standard schedule of rates to be considered for estimation?

- A) Standard schedule of rates of the current year B) Standard schedule of rates of the last year
C) Standard schedule of rates of the average of the last 10 years D) Standard schedule of rates of the average of last 5 years

Answer: A) Standard schedule of rates of the current year

38. What is called for the amount of heat required to raise the temperature of unit mass of a substance through 1 Degree C?

- A) Mixing of heat B) Specific heat
C) Sensible heat D) Latent heat

Answer: B) Specific heat

39. What is the total cost of Air-conditioners installed in a college, 40 class room-each 1 Air-conditioner, Computer lab 5 Air- conditioners and conference hall 5 Air-conditioners (Cost of one air conditioner Rs.30000/- including installation)?

- A) Rs.10 lakhs B) Rs. 12 lakhs
C) Rs. 15 lakhs D) Rs. 20 lakhs

Answer: C) Rs. 15 lakhs

40. What is the value of $x^2 - y^2$ if $(x+y) = 9$, $(x - y) = 4$?

- A) 46 B) 13
C) 65 D) 36

Answer: D) 36

41. Which one is related to estimation of work?

- A) Hand book B) Information table
C) Bill of material D) Packing

Answer: C) Bill of material

42. Which is thermosetting plastic?

- A) Polystyrenes B) Celluloid
C) Melamine resins D) Vinyl polymers

Answer: C) Melamine resins

43. What is equal to $\cos \theta$?

- A) Adjacent Side/Hypotenuse B) Opposite side/Hypotenuse
C) Hypotenuse/Adjacent Side D) Hypotenuse/Opposite Side

Answer: A) Adjacent Side/Hypotenuse

44. What is the safe stress if the ultimate stress of a material is 35 kg/mm^2 and factor of safety is 5?

- A) 0.143 B) 0.7
C) 7 D) 1.43

Answer: C) 7

45. What is called the ratio between the density of a substances density of water at 4 Degree Centigrade?

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

Answer: A) Specific gravity

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

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

Answer: A) 669 Joules

47. Which alloy steel is using for making precious instrument?

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

Answer: C) Invar steel

48. What is the maturity amount if Rs.20000 is deposited at 5% compound interest per annum for 2 years?

- A) Rs.22000 B) Rs.22500
C) Rs.25000 D) Rs.22050

Answer: D) Rs.22050

49. What is the change in length per unit original length per degree rise in temperature is called?

- A) Co-efficient of friction B) Co-efficient of linear expansion
C) Co-efficient of superficial expansion D) Co-efficient of cubical expansion

Answer: B) Co-efficient of linear expansion

50. How many watts for 1 horse power in British system?

- A) 726 watts
- C) 746 watts

- B) 736 watts
- D) 756 watts

Answer: C) 746 watts
