

Trinity, College udhyavara udupi

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

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60.00% 30 / 50

Student Name	Prajwal	Access Code	7061
Attempt No.	#1	Completion Time	11:46 AM
Rank	#2	Total Questions	50

30 SCORE

50 MAX MARKS

30 CORRECT

20 INCORRECT

Answer Review

Q1 **CORRECT** What is the value of x if $13+x=20$?

A. 8

B. 7

C. 9

D. 13

Q2 **CORRECT** What is the value of x if $(x+2)/2=19$?

A. 38

B. 33

C. 35

D. 36

Q3 **INCORRECT** What is the value of $x^2 - y^2$ if $(x+y) = 9$, $(x - y) = 4$?

A. 13

B. 65

C. 36

D. 46

Q4 **CORRECT** What is the area of the circle, if the circumference of the circle is 44cm?

A. 128 cm²

B. 130 cm²

C. 154 cm²

D. 129 cm²

Q5 **CORRECT** What is the diameter of the circle, if the area of the circle is 78.5cm²?

A. 5 cm

B. 10 cm

C. 15 cm

D. 5.5 cm

Q6 **CORRECT** Which is mineral insulator

A. Glass

B. Quartz

C. Mica

D. Porcelain

Q7 **CORRECT** Which is the unit electrical power?

A. Volts

B. Ohms

C. Watts

D. Ampere

Q8 **INCORRECT** 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

Q9 **CORRECT** Where the centre of gravity of a circle lies?

A. At its centre

B. Any where on its radius

C. Any where on its circumference

D. Any where on its diameter

Q10 **INCORRECT** Which is thermosetting plastic?

A. Vinyl polymers

B. Polystyrenes

C. Celluloid

D. Melamine resins

Q11 **INCORRECT** 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. 0.0001786

B. 0.0001687

C. 0.0001867

D. 0.0001968

Q12 **INCORRECT** 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. 1.43

D. 7

Q13 **INCORRECT** Which standard schedule of rates to be considered for estimation?

A. Standard schedule of rates of the last year

B. Standard schedule of rates of the average of the last 10 years

C. Standard schedule of rates of the average of last 5 years

D. Standard schedule of rates of the current year

Q14 **INCORRECT** What is the term, for the details of materials, brand name, grade of quality, rating of current and voltage etc.?

A. Drawing

B. Specification of materials

C. Raw materials

D. Price catalogue

Q15 **CORRECT** Which one is related to estimation of work?

A. Bill of material

B. Packing

C. Information table

D. Hand book

Q16 **CORRECT** Who prepares the cost of estimation?

A. Operator

B. Quality Inspector

C. Estimator

D. Draughts man

Q17 **CORRECT** What percentage of water absorbed by a good building stone?

A. Less than 10%

B. Less than 20%

C. Less than 8%

D. Less than 5%

Q18 **CORRECT** What is the weight of the iron ball has volume of 250 cc and density 7.5 gm/cc?

A. 1750 gram

B. 1875 gram

C. 1975 gram

D. 1785 gram

Q19 **INCORRECT** What is the total cost of painting of a class room including ceiling, if the size of length is 6m, breadth is 5m and height is 4m. (Painting + labour cost Rs.150/- per sq.m)

A. Rs.15000/-

B. Rs.16700/-

C. Rs.17700/-

D. Rs.18700/-

Q20 **CORRECT** 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. 20 lakhs

C. Rs. 12 lakhs

D. Rs. 15 lakhs

Q21 **INCORRECT** Which affects the centre of gravity of the object

A. Weight

B. Mass

C. Density

D. Shape

Q22 **INCORRECT** What is the centre of gravity of a right circular cone from its base?

A. $h/2$

B. $h/3$

C. $h/4$

D. $h/5$

Q23 **CORRECT** What is the value in degree centigrade for 20 Degree F?

A. -6.37 Degree C

B. -6.47 Degree C

C. -6.57 Degree C

D. -6.67 Degree C

Q24 **CORRECT** 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

Q25 **CORRECT** What is term used for 2 x linear expansion?

A. Co-efficient of friction

B. Co-efficient of linear expansion

C. Co-efficient of superficial expansion

D. Co-efficient of cubical expansion

Q26 **CORRECT** What is called for the amount of heat required to raise the temperature of unit mass of a substance through 1 Degree C?

A. Sensible heat

B. Latent heat

C. Specific heat

D. Mixing of heat

Q27 **INCORRECT** Which insulating material is most widely used in refrigerators?

A. Thermocole

B. Polyurethane

C. Glass wool

D. Cork sheet

Q28 **CORRECT** What is known for the temperature at which any solid melts into liquid?

A. Boiling point

B. Melting point

C. Latent heat of fusion

D. Latent heat of vaporisation

Q29 **CORRECT** Which process produce equilibrium conditions?

A. Annealing and Hardening

B. Normalising and Tempering

C. Annealing and Normalising

D. Normalising and Tempering

Q30 **INCORRECT** What is the purpose of tempering a steel?

A. To reduce the brittleness

B. To remove the ductility

C. To increase the hardness

D. To increase the brittleness

Q31 **INCORRECT** Which is example for second order lever?

A. Common balance

B. A pair of scissors

C. Bottle opener

D. Human forearm

Q32 **INCORRECT** What is called the ratio between the density of a substances density of water at 4 Degree Centigrade?

A. Density

B. Specific gravity

C. Mass

D. Weight

Q33 **INCORRECT** What is the density of aluminium?

A. 2.7 g/cm^3

B. 3.7 g/cm^3

C. 4.7 g/cm^3

D. 5.7 g/cm^3

Q34 **INCORRECT** What is the specific gravity of the metal, if the piece of metal weighs 150 grams in air and 125 grams in water?

A. 6

B. 10

C. 15

D. 25

Q35 **INCORRECT** Which property of metal has its power of returning to its original shape after the applied force is released?

A. Malleability

B. Tenacity

C. Elasticity

D. Plasticity

Q36 **CORRECT** What metals contained in brass alloy?

A. Copper and aluminium

B. Copper and lead

C. Copper and zinc

D. Copper and tin

Q37 **CORRECT** Which rubber is used as insulator for power cables and control wires?

A. Butyl

B. Hypalone

C. Silicon

D. Nitrite butadiene

Q38 **CORRECT** Which alloy steel is using for making precious instrument?

A. Silicon steel

B. Manganese steel

C. Invar steel

D. Vanadium

Q39 **CORRECT** What is the diagonal of a square plate whose side is 28 cm?

A. 39.29 cm

B. 39.39 cm

C. 39.49 cm

D. 39.59 cm

Q40 **INCORRECT** Which is the short form of profit and loss statement?

A. P & L

B. PR & LS

C. PRO & LOS

D. L & P

Q41 **INCORRECT** How the years is denoted in simple interest calculations?

A. P

B. I

C. n

D. r

Q42 **CORRECT** What is the maturity amount if Rs.20000 is deposited at 5% compound interest per annum for 2 years?

A. Rs.22000

B. Rs.22050

C. Rs.22500

D. Rs.25000

Q43 **CORRECT** How many watts for 1 horse power in metric system?

A. 725.5 watts

B. 735.5 watts

C. 745.5 watts

D. 755.5 watts

Q44 **CORRECT** How many watts for 1 horse power in British system?

A. 726 watts

B. 736 watts

C. 746 watts

D. 756 watts

Q45 **CORRECT** What is the equivalent unit for 1 horse power in metric system?

A. 75 kg.m/sec

B. 76 kg.m/sec

C. 77 kg.m/sec

D. 78 kg.m/sec

Q46 **CORRECT** 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

Q47 **CORRECT** What is the definition of ratio?

- A. Relation of two quantities of the same kind
- B. Relation of two quantities of the different kind
- C. Equality between two ratios
- D. Inequality between two ratios

Q48 **INCORRECT** Convert 52% into fraction?

- A. (9/25)
- B. (11/25)
- C. (13/25)
- D. (17/25)

Q49 **CORRECT** What is equal to $\cos \theta$?

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

Q50 **CORRECT** What is the height of the building if a ladder at 45 Degree touches the building placed 16 m from the base of the building?

- A. 15 m
- B. 16 m
- C. 17 m
- D. 18 m