

# Trinity, College udhyavara udupi

## ITI Quiz W/C - 07-May-2026 03:00 PM

Q. ID: ITISKILL9635SS | May 2026

84.00% 21 / 25

Student Name	Varun	Access Code	9167
Attempt No.	#1	Completion Time	03:15 PM
Rank	#1	Total Questions	25

21 SCORE

25 MAX MARKS

21 CORRECT

4 INCORRECT

### Answer Review

Q1 **CORRECT** Which is the formula for  $a^m / a^n$

A.  $a^{m+n}$

B.  $a^{m-n}$

C.  $a^{mxn}$

D.  $(a^m)^n$

Q2 **CORRECT** Which is equal to  $(a+b)^2 - (a-b)^2$

A.  $2ab$

B.  $3ab$

C.  $4ab$

D.  $5ab$

Q3 **CORRECT** What is the value of x, if  $3(2x - 4) = -4x + 28$  ?

A. 4

B. 8

C. 6

D. 12

Q4 **INCORRECT** What are the three consecutive numbers if their sum is 42?

A. 11,12,13

B. 12,13,14

C. 13,14,15

D. 14,15,16

Q5 **CORRECT** What is the area of the circle, if the circumference of the circle is 44cm?

A.  $128 \text{ cm}^2$

B.  $130 \text{ cm}^2$

C.  $154 \text{ cm}^2$

D.  $129 \text{ cm}^2$

Q6 **INCORRECT** What is the area of the circle if the radius is 10 cm?

A.  $314 \text{ cm}^2$

B.  $31.4 \text{ cm}^2$

C.  $30.4 \text{ cm}^2$

D.  $3.14 \text{ cm}^2$

Q7 **INCORRECT** What is the minimum permissible area of conductor (U/G cable) for three and half cores cable?

A. 25 sq.mm

B. 50 sq.mm

C. 5 sq.mm

D. 100 sq.mm

Q8 **CORRECT** What is the total wattage in a room if 2 tube lights of 50W rating, 2 fans of 80W rating, 2 numbers of light points of 60W rating, one fan point of 60W rating and one 3 pin socket of 100W rating?

A. 340 W

B. 440 W

C. 540 W

D. 640 W

Q9 **CORRECT** What is the total cost to assemble 10 personal computer systems, spares cost as given for one system: 1 TB hard disc Rs.4500/-, Intel i3 mother board Rs.7000/-, SMPS Rs.2500/-, monitor Rs.6000/-, keyboard Rs.1000/-, other material cost (Switches, USB, Cabl

A. Rs.275000/-

B. Rs.250000/-

C. Rs.225000/-

D. Rs.265000/-

Q10 **CORRECT** Which one of the following geometrical shape's centre of gravity lies from its base is  $\frac{1}{3}$  of its height?

A. Square

B. Rhombus

C. Triangle

D. Cone

Q11 **CORRECT** What is called if the length of the solid expands when heated?

A. Linear expansion

B. Superficial expansion

C. Cubical expansion

D. Area expansion

Q12 **CORRECT** What is the unit of co-efficient of linear expansion?

A. Number / Degree C

B. Number / Degree C / meter length

C. Number / Degree C / mm length

D. Number / Degree C / cm length

Q13 **CORRECT** Which one has the highest thermal conductivity?

A. Solid ice

B. Melting ice

C. Water

D. Steam

Q14 **INCORRECT** What are the various stages of heat treatment?

A. Heating, Cooling and Quenching

B. Quenching, Cooling and Heating

C. Heating, Soaking and Quenching

D. Soaking, Quenching and Cooling

**Q15** **CORRECT** What is the mass if the density of a body is  $7.6 \text{ g/cm}^3$  and its volume is  $25 \text{ cm}^3$ ?

**A.** 190 grams

**B.** 200 grams

**C.** 210 grams

**D.** 220 grams

**Q16** **CORRECT** Which alloy used in electric lamp as filament?

**A.** Cobalt

**B.** Vanadium

**C.** Tungsten

**D.** Silicon

**Q17** **CORRECT** Which insulator is used in over head lines?

**A.** Mica

**B.** Rubber

**C.** P.V.C

**D.** Porcelain

**Q18** **CORRECT** Which steel is used for making files and cold chisel?

**A.** Low carbon steel

**B.** Midium carbon steel

**C.** High carbon steel

**D.** Stainless steel

Q19 **CORRECT** What is the formula to find selling price (S.P) if there is a loss?

A.  $((100)/(100+\text{Profit \%}))\times\text{S.P}$

B.  $((100+\text{Profit \%})/(100))\times\text{C.P}$

C.  $((100)/(100-\text{Loss \%}))\times\text{S.P}$

D.  $((100-\text{Loss \%})/(100))\times\text{C.P}$

Q20 **CORRECT** What is the compound interest on a principal of Rs.25000/- after 3 years at the rate of 12% per annum?

A. Rs. 9000

B. Rs.9720

C. Rs.10123.20

D. Rs.10483.20

Q21 **CORRECT** What is the retardation of a car moving with a velocity of 50 km/hr is brought to rest in 45 seconds?

A.  $0.40 \text{ m/sec}^2$

B.  $0.30 \text{ m/sec}^2$

C.  $0.20 \text{ m/sec}^2$

D.  $0.10 \text{ m/sec}^2$

Q22 **CORRECT** What is equal to  $\cos \theta$ ?

A. Hypotenuse/Adjacent Side

B. Adjacent Side/Hypotenuse

C. Opposite side/Hypotenuse

D. Hypotenuse/Opposite Side

**Q23** **CORRECT** 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. 60 Degree

D. 90 Degree

**Q24** **CORRECT** What are fundamental units?

A. Length, Mass, Volume

B. Length, Mass, Time

C. Length, Mass, Area

D. Length, Pressure, Volume

**Q25** **CORRECT** What is the square root of 529?

A. 12

B. 23

C. 33

D. 43