

Trinity, College udhyavara udupi

ITI Quiz WC - 11-Jun-2026 01:18 PM

Q. ID: ITISKILL8468MM | June 2026

44.00% 11 / 25

Student Name	Nayab	Access Code	8600
Attempt No.	#1	Completion Time	01:36 PM
Rank	#1	Total Questions	25

11 SCORE

25 MAX MARKS

11 CORRECT

14 INCORRECT

Answer Review

Q1 **INCORRECT** What is the value of $a^2 + b^2$ if $a + b = 9$ and $ab = 20$?

A. 121

B. (-121) ❌

C. 41 ✅

D. (-41)

Q2 **INCORRECT** What is the area of the sector, whose diameter is 40 mm and angle is 120 Degree?

A. 418.66 mm^2 ✅

B. 400.50 mm^2

C. 415.5 mm^2 ❌

D. 416.6 mm^2

Q3 **INCORRECT** What is the formula for induced emf?

A. $B^2 L \sin \theta$ volts

B. $BL \sin \theta$ volts

C. $BLV \sin \theta$ volts ☒

D. $B^2 L^2 V \sin \theta$ volts ☐

Q4 **INCORRECT** Which one of the following geometrical shapes centre of gravity lies from its base is $\frac{1}{3}$ of its height?

A. Square ☐

B. Rhombus

C. Triangle ☒

D. Cone

Q5 **CORRECT** Which symbol is used to express change in length?

A. L

B. ΔL ☒

C. l

D. e

Q6 **CORRECT** What is the tensile stress if a square rod of 10 mm side is tested for a tensile load of 1000 kg?

A. 1 kg/mm^2

B. 10 kg/mm^2 ☒

C. 100 kg/mm^2

D. 1000 kg/mm^2

Q7 **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** ☐

Q8 **CORRECT** What is the main factor to be considered while preparing a detailed estimate?

- A. Shape of material
- B. Brand of the materials
- C. Quantity, availability and transportation of materials** ☐
- D. Location of material

Q9 **CORRECT** What is the other term of pocket reference in engineering works?

- A. Hand tool
- B. Hand book** ☐
- C. Good book
- D. New book

Q10 **CORRECT** Which one is related to estimation of work?

- A. Bill of material** ☐
- B. Packing
- C. Information table
- D. Hand book

Q11 **INCORRECT** What is the estimation of milling cost of a rectangular block size 100 X 80 X60 mm, if cost of the milling is Rs.2/sq.cm?

A. Rs.652/-

B. Rs.752/- ☐

C. Rs.572/- ☐

D. Rs.960/-

Q12 **CORRECT** 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/-

Q13 **CORRECT** Which one of the following geometrical shape's centre of gravity lies from its base is 1/3 of its height?

A. Square

B. Rhombus

C. Triangle ☐

D. Cone

Q14 **INCORRECT** Convert 45 Degree C (Centigrade) into Degree F (Fahrenheit)

A. 110 Degree F

B. 111 Degree F

C. 112 Degree F ☐

D. 113 Degree F ☐

Q15 **INCORRECT** 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 ☐

Q16 **INCORRECT** Which one is heat insulator?

A. Thermocole ☐

B. Copper

C. Brass ☐

D. Aluminium

Q17 **CORRECT** Which is the suitable nitriding process for all alloyed and unalloyed steels?

A. Silver nitriding

B. Nitriding in salt-bath ☐

C. Nitriding in Quenching tank

D. Gas nitriding

Q18 **INCORRECT** What is the name of the heat treatment process, where the metal is heated and quenched in water or oil?

A. Hardening ☐

B. Normalising and Tempering

C. Annealing ☐

D. Tempering

Q19 **CORRECT** What effort required to lift a load of 150 kg in a wheel and axle, if the velocity ratio is 2.5 and the efficiency of the machine is 75%?

A. 70 kg

B. 80 kg ☒

C. 90 kg

D. 100 kg

Q20 **INCORRECT** What is the force with which a body is attracted by the earth towards its centre?

A. Mass ☐

B. Weight ☒

C. Volume

D. Density

Q21 **INCORRECT** What is the density (ρ) in g/cm^3 of an iron cube, if it weighs (W) 4.8 kg and volume (V) is 640 cm^3 ?

A. 6.6 g/cm^3

B. 6.9 g/cm^3 ☐

C. 7.2 g/cm^3

D. 7.5 g/cm^3 ☒

Q22 **CORRECT** Which metal is widely used for making casting of machinery parts?

A. Grey cast iron ☒

B. White cast iron

C. Malleable cast iron

D. Wrought iron

Q23 **INCORRECT** What is the improper fraction for the given mixed fraction ? $7 \frac{3}{7}$

A. $\frac{52}{7}$ ☐

B. $\frac{7}{52}$ ☐

C. $\frac{28}{7}$ ☐

D. $\frac{7}{28}$ ☐

Q24 **CORRECT** What is the square root of 529?

A. 12 ☐

B. 23 ☒

C. 33 ☐

D. 43 ☐

Q25 **INCORRECT** How many millimetres are there in 1 inch? | 1 ಇಂಚಿನಲ್ಲಿ ಎಷ್ಟು ಮಿಲಿಮೀಟರ್‌ಗಳಿವೆ?

A. 2.54 mm ☐

B. 25.4 mm ☒

C. 24.5 mm ☐

D. 2.45 mm ☐