

Trinity, College udhyavara udupi

ITI Quiz - 30-Jun-2026 03:27 PM

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Student Name	Rakesh	Access Code	7804
Attempt No.	#1	Completion Time	03:40 PM
Rank	#1	Total Questions	25

12 SCORE

25 MAX MARKS

12 CORRECT

13 INCORRECT

Answer Review

Q1 **INCORRECT** What is the centre of gravity of a solid hemisphere from its base?

A. $4r/5$

B. $3r/8$ ☒

C. $3r/4$ ☐

D. $r/2$

Q2 **INCORRECT** What is the centre of gravity of a sphere?

A. At the centre ☒

B. On the circumference

C. At the diameter

D. At the radius ☐

Q3 **INCORRECT** Which is thermo plastic material?

A. Butyl rubber ☐

B. Nylon

C. Neoprene

D. Vinyl polymers ☐

Q4 **CORRECT** What is the ratio between the change in dimension to its original dimension of the substance?

A. Stress

B. Strain ☐

C. Poisson's ratio

D. Factor of safety

Q5 **CORRECT** What is the unit of strain?

A. Kg/cm^2

B. Newton/metre^2

C. Metre

D. No unit ☐

Q6 **INCORRECT** What is the ratio between lateral strain and longitudinal strain?

A. Hooks law ☐

B. Young's modulus

C. Bulk modulus

D. Poisson's ratio ☐

Q7 **CORRECT** Which one is the ratio of stress?

A. Load and area ☒

B. Load and direction

C. Load and diameter

D. Load and time

Q8 **INCORRECT** What is the formula for bulk modulus?

A. Tensile stress/Tensile strain ☐

B. Compressive stress/Compressive strain

C. Volumetric stress/Volumetric strain ☒

D. Shear stress/Shear strain

Q9 **CORRECT** Which law states that within elastic limit stress is directly proportional to strain?

A. Newtons law

B. Hooks law ☒

C. Joules law

D. Charles law

Q10 **CORRECT** What force will be required to punch a hole of 10 mm dia in a 1 mm thick plate, if the allowable shear stress is 50N/mm^2 ? ($\pi = 22/7$)

A. 1757 N

B. 1575 N

C. 1571.4 N ☒

D. 1577 N

Q11 **INCORRECT** What is the other term used for reference table?

A. Dictionary ☐

B. Biography

C. Bibliography

D. Information Table ☐

Q12 **CORRECT** What is a under estimate?

A. No work started as per estimate

B. An estimate perfectly matches with actual

C. An estimate is fell short of the actual estimate ☐

D. An estimate is exceeded the actual estimate

Q13 **CORRECT** What is the term used for the method of calculating various quantities and expenditure on a particular job or process?

A. Estimation ☐

B. Drawing

C. Specification

D. Plan

Q14 **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

Q15 **CORRECT** 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

Q16 **INCORRECT** Which one is the most reliable estimate?

A. Preliminary estimate ☐

B. Plinth area estimate

C. Cube rate estimate

D. Detailed estimate ☒

Q17 **INCORRECT** What cables are used for 132KV lines?

A. High tension ☐

B. Super tension

C. Extra high tension

D. Extra super voltage ☒

Q18 **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/- ☐

Q19 **CORRECT** What is the total labour charges for a particular wiring work completed in 2 days by one electrician and one helper.(Electrician @ ₹800/day and helper @ Rs 400/day)

A. Rs. 2000

B. Rs. 2400 ☒

C. Rs. 3000

D. Rs. 1400

Q20 **INCORRECT** 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, Cables)

A. Rs.275000/- ☒

B. Rs.250000/-

C. Rs.225000/- ☐

D. Rs.265000/-

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

A. Weight

B. Mass ☒

C. Density

D. Shape

Q22 **CORRECT** What is the name of the point at which all the weight of the body concentrated?

A. Initial point

B. Centre of gravity ☒

C. Centroid

D. Central point

Q23 **INCORRECT** Which state of equilibrium's example is, A cone resting on its base?

A. Un-stable

B. Neutral

C. Stable ☐

D. Bothe A and B ☐

Q24 **INCORRECT** What is the name of heat treatment process done to relieve strain and stress?

A. Normalising

B. Annealing ☐

C. Hardening

D. Tempering ☐

Q25 **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