

# GOVT ITI VITTLA

## Monthly Test workshop calculation and science February 2026

Q. ID: ITISKILL50494V | February 2026

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Student Name	CHAITHRESH KUMAR	Access Code	4742
Attempt No.	#1	Completion Time	01:56 PM
Rank	#4	Total Questions	10

9 SCORE

10 MAX MARKS

9 CORRECT

1 INCORRECT

### Answer Review

Q1 **CORRECT** Which is elastic material?

A. Nylon

B. Polystyrenes

C. Celluloid

D. Polycarbonates

Q2 **CORRECT** Which is thermo plastic material?

A. Butyl rubber

B. Nylon

C. Neoprene

D. Vinyl polymers

Q3 **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

Q4 **CORRECT** What is the unit of strain?

A.  $\text{Kg/cm}^2$

B.  $\text{Newton/metre}^2$

C. Metre

D. No unit

Q5 **CORRECT** Which one is the ratio of stress?

A. Load and area

B. Load and direction

C. Load and diameter

D. Load and time

Q6 **INCORRECT** Which force acts on rivets?

A. Tensile force

B. Compressive force

C. Shear force

D. Bending force

**Q7** **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

**Q8** **CORRECT** What is the term used for maximum stress attained by a material before rupture?

A. Tensile stress

B. Compressive stress

C. Working stress

**D. Ultimate stress**

**Q9** **CORRECT** What is the ratio of shear stress to shear strain?

A. Modulus of elasticity

**B. Modulus of rigidity**

C. Bulk modulus

D. Yield point

**Q10** **CORRECT** What is the ratio between stress and strain?

A. Yield point

B. Factor of safety

**C. Youngs Modulus**

D. Poisson's ratio