

# Monthly Test workshop calculation and science February 2026

Q. ID: ITISKILL50494V

February 2026

GOVT ITI VITTLA

Question Paper

Student: SHASHANK

Score: 10/10 (100.00%)

Code: 3952

1. Which is elastic material?

- A) Nylon (Correct)**      B) Polystyrenes  
C) Celluloid              D) Polycarbonates

2. Which is thermo plastic material?

- A) Butyl rubber              B) Nylon  
C) Neoprene                **D) Vinyl polymers (Correct)**

3. What is the ratio between the change in dimension to its original dimension of the substance?

- A) Stress                      **B) Strain (Correct)**  
C) Poisson's ratio          D) Factor of safety

4. What is the unit of strain?

- A)  $\text{Kg/cm}^2$                   B)  $\text{Newton/metre}^2$   
C) Metre                      **D) No unit (Correct)**

5. Which one is the ratio of stress?

- A) Load and area (Correct)**      B) Load and direction  
C) Load and diameter          D) Load and time

6. Which force acts on rivets?

- A) Tensile force              B) Compressive force  
**C) Shear force (Correct)**      D) Bending force

7. Which law states that within elastic limit stress is directly proportional to strain?

- A) Newtons law              **B) Hooks law (Correct)**  
C) Joules law                D) Charles law

8. 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 (Correct)**

9. What is the ratio of shear stress to shear strain?

- A) Modulus of elasticity      **B) Modulus of rigidity (Correct)**  
C) Bulk modulus              D) Yield point

10. What is the ratio between stress and strain?

- A) Yield point                B) Factor of safety  
**C) Youngs Modulus (Correct)**      D) Poisson's ratio