

# Monthly Test workshop calculation and science February 2026

Q. ID: ITISKILL50494V

February 2026

GOVT ITI VITTLA

Question Paper

Student: DHANRAJ S

Score: 7/10 (70.00%)

Code: 0842

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 (Incorrect)  
C) Neoprene                 D) **Vinyl polymers**

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 (Incorrect)      B) Compressive stress  
C) Working stress              D) **Ultimate stress**

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

- A) Modulus of elasticity (Incorrect)      B) **Modulus of rigidity**  
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