

# Monthly Test workshop calculation and science February 2026

Q. ID: ITISKILL50494V

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GOVT ITI VITTLA

Question Paper

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Score: 5/10 (50.00%)

Code: 0211

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) Newton/metre<sup>2</sup>  
  (Incorrect)  
C) Metre                         D) **No unit**

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  
  (Incorrect)  
C) **Shear force**                 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  
  (Incorrect)  
C) Working stress              D) **Ultimate stress**

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 (Incorrect)      B) Factor of safety  
C) **Youngs Modulus**            D) Poisson's ratio