

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: 9/10 (90.00%)

Code: 4742

1. Which is elastic material?

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

A) Tensile force

B) Compressive force
(Incorrect)

C) **Shear force**

D) Bending force

2. Which is thermo plastic material?

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

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

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

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)**

4. What is the unit of strain?

- A) Kg/cm^2 B) Newton/metre^2
C) Metre D) **No unit (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

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

10. What is the ratio between stress and strain?

A) Yield point

B) Factor of safety

C) **Youngs Modulus (Correct)**

D) Poisson's ratio

6. Which force acts on rivets?