

Monthly Test workshop calculation and science February 2026

Q. ID: ITISKILL50494V

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GOVT ITI VITTLA

Question Paper

Student: RAVI

Score: 9/10 (90.00%)

Code: 6638

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) Kg/cm^2 B) 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 D) Poisson's ratio (Incorrect)