

Student: RAVI**Score: 8/10 (80.00%)****Code: 4170**

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

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

A) Tensile stress/Tensile strain

B) Compressive stress/Compressive strain

C) Volumetric stress/Volumetric strain (Correct)

D) Shear stress/Shear strain

2. What is the unit of strain?

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

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

- A) Newtons law
C) Joules law

B) Hooks law (Correct)
D) Charles law

3. What is the ratio of change in length to original length?

- A) Linear strain**
C) Volumetric strain
- B) Lateral strain
D) Poisson's ratio (Incorrect)

8. What is the term used for maximum stress attained by a material before rupture?

- A) Tensile stress
C) Working stress

B) Compressive stress
D) Ultimate stress (Correct)

4. Which one is the ratio of stress?

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

9. What is the ratio of ultimate load to area of original cross section?

A) Factor of safety

B) Yield point

C) Ultimate stress (Correct)

D) Youngs modulus

5. Which force acts on rivets?

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

10. What is the ratio between stress and strain?

A) Yield point

B) Factor of safety (Incorrect)

C) Youngs Modulus

D) Poisson's ratio

6. What is the formula for bulk modulus?