# Monthly Test WCS- March 2026

Q. ID: ITISKILL6837GX

March 2026 | **GOVT ITI VITTLA** | Question Paper

**Student: ROHITH P**
**Score: 7/10 (70.00%)**

**Code: 2645**

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

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

**2.** What is the unit of strain?

A) Kg/cm<sup>2</sup> | B) Newton/metre<sup>2</sup>
C) Metre | **D) No unit (Correct)**

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

**A) Linear strain (Correct)** | B) Lateral strain
C) Volumetric strain | D) Poisson's ratio

**4.** Which one is the ratio of stress?

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

**5.** Which force acts on rivets?

A) Tensile force (Incorrect) | B) Compressive force
**C) Shear force** | D) Bending force

**6.** What is the formula for bulk modulus?

A) Tensile stress/Tensile strain | B) Compressive stress/Compressive strain
**C) Volumetric stress/Volumetric strain (Correct)** | D) Shear stress/Shear strain

**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 ultimate load to area of original cross section?

A) Factor of safety | B) Yield point
**C) Ultimate stress (Correct)** | D) Youngs modulus

**10.** What is the ratio between stress and strain?

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