

Monthly Test WCS- March 2026

Q. ID: ITISKILL6837GX

March 2026

GOVT ITI VITTLA

Question Paper

Duration: 30 Mins

Total Marks: 10

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Student Name: _____ Roll No: _____

1. What is the unit of strain?

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

2. Which one is the ratio of stress?

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

3. What is the ratio between stress and strain?

- A) Youngs Modulus
B) Poisson's ratio
C) Factor of safety
D) Yield point

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

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

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

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

6. Which law states that within elastic limit stress is directly

proportional to strain?

- A) Newtons law
B) Hooks law
C) Charles law
D) Joules law

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

- A) Tensile stress
B) Ultimate stress
C) Working stress
D) Compressive stress

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

- A) Yield point
B) Youngs modulus
C) Factor of safety
D) Ultimate stress

9. Which force acts on rivets?

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

10. What is the formula for bulk modulus?

- A) Shear stress/Shear strain
B) Compressive stress/Compressive strain
C) Tensile stress/Tensile strain
D) Volumetric stress/Volumetric strain