

Monthly Test WCS- March 2026

Q. ID: ITISKILL6837GX

March 2026

GOVT ITI VITTLA

Answer Key

Duration: 30 Mins

Total Marks: 10

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1. Which force acts on rivets?

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

Answer: B) Shear force

2. What is the ratio between stress and strain?

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

Answer: D) Youngs Modulus

3. What is the unit of strain?

- A) Newton/metre² B) Kg/cm²
C) Metre D) No unit

Answer: D) No unit

4. Which one is the ratio of stress?

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

Answer: B) Load and area

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

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

Answer: B) Hooks law

6. What is the ratio of ultimate load to area of original cross

section?

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

Answer: A) Ultimate stress

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

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

Answer: A) Linear strain

8. What is the formula for bulk modulus?

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

Answer: B) Volumetric stress/Volumetric strain

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

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

Answer: C) Strain

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

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

Answer: C) Ultimate stress