

GOVT ITI VITTLA

Monthly Test WCS- March 2026

Q. ID: ITISKILL6837GX | March 2026

90.00% 9 / 10

Student Name	SHAMANTH	Access Code	6933
Attempt No.	#1	Completion Time	11:26 AM
Rank	#2	Total Questions	10

9 SCORE

10 MAX MARKS

9 CORRECT

1 INCORRECT

Answer Review

Q1 CORRECT What is the ratio between the change in dimension to its original dimension of the substance?

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

Q2 CORRECT What is the unit of strain?

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

Q3 **CORRECT** What is the ratio of change in length to original length?

A. Linear strain ☒

B. Lateral strain

C. Volumetric strain

D. Poisson's ratio

Q4 **CORRECT** Which one is the ratio of stress?

A. Load and area ☒

B. Load and direction

C. Load and diameter

D. Load and time

Q5 **CORRECT** Which force acts on rivets?

A. Tensile force

B. Compressive force

C. Shear force ☒

D. Bending force

Q6 **CORRECT** What is the formula for bulk modulus?

A. Tensile stress/Tensile strain

B. Compressive stress/Compressive strain

C. Volumetric stress/Volumetric strain ☒

D. Shear stress/Shear strain

Q7 **CORRECT** 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

Q8 **CORRECT** 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 ☒

Q9 **INCORRECT** What is the ratio of ultimate load to area of original cross section?

A. Factor of safety ☐

B. Yield point

C. Ultimate stress ☒

D. Youngs modulus

Q10 **CORRECT** What is the ratio between stress and strain?

A. Yield point

B. Factor of safety

C. Youngs Modulus ☒

D. Poisson's ratio