

Strength of Materials MCQ Questions and Answers Pdf Download

1. Strain rosettes are generally used for
- measurement of load
 - measurement of shear stress
 - measurement of resilience
 - measurement of longitudinal strains

ans: D

2. Strain is
- change in metal
 - change in metal and direction in metal
 - result of load application on a body
 - change in length per unit original length

As: D

3. Poisson's ratio for cast iron is
- 0.27
 - 0.31
 - 0.33
 - 0.36

Ans: A

4. The potential energy stored up in a deformed body is known as
- strain energy
 - potential energy
 - Resilience
 - Deformation energy

Ans: C

5. Clad metals are
- non-ferrous materials
 - two or more dissimilar materials riveted together
 - two or more dissimilar materials joined together by welding
 - two or more dissimilar materials jointed together under very high hydraulic pressure

Ans: D

6. The materials which exhibit the same elastic properties in all directions are called
- homogenous
 - isotropic
 - isentropic
 - inelastic

Ans: B

7. The point of contraflexure occurs in

- a. simply supported beams only
- b. cantilever beams only
- c. continuous beam only
- d. overhanging beams only

Ans: D

8. Materials exhibiting time bound behaviour are known as

- a. isentropic
- b. reactive
- c. fissile
- d. viscoelastic

Ans: D

9. Rupture is

- a. proof stress
- b. breaking stress
- c. highest value of stress
- d. stress given by dividing the load at the moment of incipient fracture, by the area supporting that load

Ans: D

10. A beam of uniform strength is one in which

- a. the cross section is same throughout
- b. the bending moment is same at every section
- c. the stiffness is same at every section
- d. the bending stress is same at every section

Ans: D

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