Strength of Materials Objective Questions and Answers Pdf Download

1. The phenomenon under which the strain of a material varies under constant stress is known as
a. Creep
b. Strain hardening
c. Buchinger's effect
d. Hysteresis
Ans: A
2. A reinforced concrete beam is considered as made of
a. homogeneous material
b. heterogeneous material
c. composite material
d. isotropic material
Ams: B
3. In a beam where shear force is maximum the bending moment will be
a. maximum
b. zero
c. minimum
d. there is no such relation between the two
Ans: A
4. Rivets are made of
a. Brittle material
b. Hard material
c. Ductile material
d. Malleable material
Ans: C
5. A beam fixed at both ends with a central load W in the middle have zero bending moment as
a. one place
b. two place
c., three place
d. four place
Ans B
6. The strain energy stored in a specimen when strained within elastic limit is known as
a. proof strain energy
b. strain energy
c. elastic limit strain energy
d. resilience
Ans: D
7. Continuous beams are
a. stronger and much stiffer than simple beams

meritnotes.com

b. weaker and less stiffer than simple beams
c. subjected to excessive shear strain
d. withstanding double the maximum bending moment on simple beams
Ans: A
8. A cylindrical section having no joint is known as
a. perfect section
b. jointless section
c. seamless section
d. strong section
Ans: D
9. The compression members tend to buckle in the direction of their
a. axis of load
b. perpendicular to the axis of load
c. minimum cross section
d. least radius of gyration
Ans: D
10. Hoop stress is
a. circumferential tensile stress
b. compressive stress
c. radial stress
d. longitudinal stress
Ans: A

meritnotes.com