

Mchanical Engineering MCQ Quiz Questions and Answers Pdf Free Download

1. The point of contraflexure is a point where

- a. shear force in zero
- b. shear force changes sign
- c. bending moment changes sign
- d. bending moment is maximum
- e. beam is liable to break

Ans: c

2. Maximum shear stress in Mohr's circle is equal to

- a. radius of circle
- b. diameter of circle
- c. centre of circle from y-axis
- d. chord of circle

Ans: a

3. Shear stresses on mutually perpendicular planes are

- a. zero
- b. minimum
- c. maximum
- d. equal

Ans: d

4. The stress at the boundary of the kern is

- a. maximum
- b. minimum
- c. zero
- d. any value

Ans: c

5. Damping capacity of a material is its ability to

- a. absorb shock
- b. absorb variations
- c. withstand compression
- d. absorb impact loads
- e. withstand creep failures

Ans: b

6. Flow stress is

- a. the shear stress required to cause plastic deformation of solid metal
- b. concerned with liquid
- c. corresponding to breaking point
- d. there is nothing like flow stress
- e. used in connection with acceptance tests of materials

Ans: a

7. Tiers are load carrying members which carry

- a. torsional loads
- b. axial compressive loads
- c. axial tension loads
- d. transverse loads
- e. vertical compression loads

Ans: c

8. When a beam is subjected to a transverse shearing force, the shear stress in the upper fibres will be

- a. maximum
- b. minimum

c. zero

d. depends on other data

Ans: c

9. A continuous beam is one which is

a. infinitely long

b. supported at two places

c. supported at one point

d. supported at more than two supports

Ans: d

10. The load at which the column first buckles is known as

a. buckling load

b. crippling load

c. critical load

d. any one of the above

Ans: d