Engineering Materials MCQ Questions with Answers Pdf

1. The limiting load beyond which the material no longer behaves elastically is known as

a. breaking load

b. limiting load

c. load bearing capacity

d. elastic limit

Ans: D

2. Stress concentration occurs when

a. a body is subjected to excessive stress

b. a body is subjected to unidirectional stress

c, a body is subjected to reversing stress

d. a body is subjected to non-uniform stress distribution

Ans: D

3. The amount of energy spent by the action of external force in the deforming an elastic body is known as

a. elastic energy

b. deformation energy

c. work done

d. strain energy

Ans: D

4. The dominant alloys in shock resisting tools are

a. chromium tungsten

b. carbon

c. cobalt

d. nickel

Ans: A

5. Toughness of a material means

a. strength

b, fatigue resistance

c. stress relieving

d. machinability

Ans: A

6. The process of annealing is

a. induce hardness

b. induce stresses

c. harden the surface

d. remove stresses

Ans: D

7. Cold work is done on the metal

a. below the thermal critical range

b. above the thermal critical range

c. at zero degree centigrade temperature

d. after slightly warming the metal in furnace

As: A

8. Pig iron is

a. the product of the blast furnace and is made by the reduction of iron ore

b. an open hearth iron very low in carbon, manganese and impurities

c. an alloy in which carbon percentage is low

d. an alloy containing carbon in free from

Ans: A

9. The ability of a material to absorb energy in the plastic range is known as

a. hardness

b. fatigue strength

c. creep

d. toughness

Ans: D

10. Most of the energy spent in deforming a metal by cold working is

a. utilised in overcoming deformation stresses

b. utilised in deforming the metal

c, converted into heat

d. consumed in developing internal stresses

Ans: C