

Materials Science MCQ Questions and Answers Pdf

Question: 1

Which of the following exercises most powerful influence on the mechanical properties of steel?

- (A) Silicon
- (B) Phosphorous
- (C) Manganese
- (D) Carbon

Ans: D

Carbon

Question: 2

Ceramic materials fabrication cannot be done by

- (A) Plastic pressing
- (B) Extrusion
- (C) Slip casting
- (D) Welding

Ans: D

Welding

Question: 3

Mild steel is a/an _____ steel.

- (A) High alloy

(B) High carbon

(C) Low carbon

(D) Medium carbon

Ans: C

Low carbon

Question: 4

Aluminium as a material of construction suffers from the disadvantages of

(A) Scarce availability

(B) Low strength to weight ratio

(C) Very high cost

(D) Low tensile strength

Ans: D

Low tensile strength

Question: 5

In high speed steel, tungsten can be replaced by

(A) Cobalt

(B) Silicon

(C) Vanadium

(D) Molybdenum

Ans: D

Molybden

Question: 6

Light weight metallic alloy used in aircraft industry is

- (A) Duralumin
- (B) High silicon iron
- (C) Phosphor bronze
- (D) Aluminium

Ans: A

Duralumin

Question: 7

A ferromagnetic substance at curie temperature changes to

- (A) Insulator
- (B) Diamagnetic
- (C) Paramagnetic
- (D) None of these

Ans: C

Paramagnetic

Question: 8

Bronze is an alloy of copper and

- (A) Zinc
- (B) Tin
- (C) Lead

(D) Nickel

Ans: B

Tin

Question: 9

Among the tin containing alloys, _____ consumes the maximum amount of tin.

(A) Bronzes

(B) Pewter metal

(C) White metal

(D) Solder

Ans: D

Solder

Question: 10

With increase in carbon percentage, toughness of mild steel

(A) Increases

(B) Decreases

(C) Changes randomly

(D) Remains same

Ans: D

Remains same