

Metallurgy Objective Questions and Answers Pdf

Question: 1

Which of the following is characterised as a heavy metal?

- (A) Magnesium
- (B) Lithium
- (C) Nickel
- (D) Platinum

Ans: C

Nickel

Question: 2

Which among the following materials of construction has the highest resistance to atmospheric air corrosion?

- (A) Aluminum
- (B) Copper
- (C) Low carbon steel
- (D) Cast iron

Ans: B

Copper

Question: 3

_____ is essentially added to steel in order to inhibit grain growth in austenite during its heat treatment.

- (A) Aluminium
- (B) Copper
- (C) Tin
- (D) Manganese

Ans: A

Aluminium

Question: 4

Which among the following materials of construction has the highest resistance to atmospheric air corrosion?

- (A) Aluminum
- (B) Copper
- (C) Cast iron
- (D) Low carbon steel

Ans: B

Copper

Question: 5

The element responsible for the presence of free graphite in cast iron is

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

Ans: D

Silicon

Question: 6

Leaching solvent used in Baeyer's process for bauxite purification is

- (A) Dilute H_2SO_4
- (B) NaCl
- (C) NH_2OH
- (D) NaOH

Ans: D

NaOH

Question: 7

Phosphor bronze is used for making

- (A) Bearings
- (B) Thermocouples
- (C) Cutting tools
- (D) Utensils

Ans: A

Bearings

Question: 8

Which of the following is the softest material?

- (A) Calcite
- (B) Corundum
- (C) Fluorite
- (D) Quartz

Ans: A

Calcite

Question: 9

Which of the following alloying elements cannot impart high strength at elevated temperature to steel?

- (A) Magnesium
- (B) Nickel
- (C) Manganese
- (D) Silicon

Ans: A

Magnesium

Question: 10

Ferrite is a solid solution of carbide in

- (A) Alpha iron
- (B) Gamma iron

(C) Cementite

(D) Pearlite

Ans: A

Alpha iron

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