

Metallurgical Engineering Physics of Metals Objective Questions

Question: 1

An electrograph is used for the study of the

- (A) Intensity of electron beams
- (B) Composition of gases
- (C) Phase transformation in metals/alloys
- (D) None of these

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Ans: C

Phase transformation in metals/alloys.

Question: 2

Ionic bond is

- (A) Mostly found in steel alloys
- (B) Non existent between a metallic atom and a non-metallic atom
- (C) A primary bond
- (D) A secondary bond

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Ans: C

A primary bond

Question: 3

Which of the following is not a characteristic of the metallic bond?

- (A) Ductility
- (B) Directionality
- (C) Opacity
- (D) High conductivity

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Ans: B

Directionality

Question: 4

The bond between the atoms of a solid metal is called the _____ bond.

- (A) Electrovalent
- (B) Ionic
- (C) Metallic
- (D) None of these

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Ans: C

Metallic

Question: 5

Energy in the most stable state of an atom is

- (A) In between minimum and maximum
- (B) Zero
- (C) Minimum

(D) Maximum

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Ans: C

Minimum

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