

Metallurgical Testing and Inspection Questions and Answers Pdf

Question: 1

Material of construction of the pyramid in Vicker hardness test is

- (A) Wrought iron
- (B) Silicon carbide
- (C) Stainless steel
- (D) Diamond

Ans: D

Diamond

Question: 2

_____ of a material is designated by its Izod value.

- (A) Hardness
- (B) Creep strength
- (C) Tensile strength
- (D) Impact resistance

Ans: D

Impact resistance

Question: 3

Which of the following metals does not produce ringing sound, when it is hammered?

- (A) Copper
- (B) Magnesium

(C) Lead

(D) Aluminium

Ans: C

Lead

Question: 4

Screwed ends are used for performing tensile test on materials made of

(A) Aluminium

(B) Copper

(C) Mild steel

(D) Grey cast iron

Ans: D

Grey cast iron

Question: 5

Etching of the test specimen is proceeded by its

(A) Recrystallisation

(B) Quenching

(C) Grinding and polishing

(D) Tempering

Ans: C

Grinding and polishing

Question: 6

Which of the following is expected to have the highest fatigue strength among the following?

- (A) Aluminium
- (B) Mild steel
- (C) Tin
- (D) Copper

Ans: Mild steel

Question: 7

Which of the following is not a non destructive test?

- (A) Creep test
- (B) Magnaflux method
- (C) Penetrating liquid test
- (D) Ultrasonic testing

Ans: Creep test

Question: 8

_____ is the term used for the study of microstructure of metal and alloys by metallurgical microscope.

- (A) Fractography
- (B) Macrography
- (C) Micrography
- (D) None of these

Ans: Micrography

Question: 9

What type of stress is applied to the specimen in the creep test?

- (A) Alternating stress
- (B) Biaxial tensile stress
- (C) Uniaxial compressive stress
- (D) Uniaxial tensile stress

Ans: Uniaxial tensile stress

Question: 10

Which of the following is not a destructive test?

- (A) Brinell hardness test
- (B) Tensile strength test
- (C) Impact test
- (D) Radiography

Ans: Radiography