

Process Control Instrumentation MCQ Questions and Answers

Question: 1

Which is the strongest paramagnetic gas?

(A) NO₂

(B) NO

(C) O₂

(D) CO₂

Ans: C

O₂

Question: 2

Polarisation of light forms the working principle of a

(A) chromatograph

(B) spectrometer

(C) polarograph

(D) polarimeter

Ans: D

polarimeter

Question: 3

The fluid used in hydraulic controller is

(A) air

(B) oil

(C) water

(D) steam

Ans: B

oil

Question: 4

Thermistors which have a very high temperature coefficient of resistivity belong to the class of solid called

(A) conductors

(B) semiconductors

(C) dielectrics

(D) insulators

Ans: B

semiconductors

Question: 5

Load cells are used for the measurement of

(A) velocity

(B) strain

(C) stress

(D) weight

Ans: D

Weight

Question: 6

Which of the following is a desirable characteristic of an instrument?

- (A) poor reproducibility
- (B) high measuring lag
- (C) high fidelity
- (D) high drift

Ans: C

high fidelity

Question: 7

Response of a linear control system for a change in set point is called

- (A) regulator problem
- (B) servo problems
- (C) transient response
- (D) frequency response

Ans: B

servo problems

Question: 8

Polarimeter is used for the analysis of

- (A) any gas
- (B) sugar solution
- (C) any solid

(D) any liquid

Ans: B

sugar solution

Question: 9

Stroboscope measures the

(A) composition

(B) pressure

(C) flow rate

(D) speed

Ans: D

speed

Question: 10

Thermistors are made of

(A) nickel chromium alloys

(B) iron copper alloys

(C) metal oxides

(D) ultra pure metals

Ans: C

metal oxides

meritnotes.com