Assignment-0

The due date for submitting this assignment has passed. Due on 2018-01-22, 23:59 IST.

Submitted assignment

Assignment-0
Answer all the multiple choice question. Each question carry 1 mark.

1) What is the role of instrumentation in a chemical process plant? 1 point

- Improve the safety of operation
- Improve quality of product
- Improve the economy
- All of these

No, the answer is incorrect.
Score: 0
Accepted Answers: All of these

2) Closeness of measured value to true value is called ________ 1 point

- Accuracy
- Precision
- Correction
- Uncertainty

No, the answer is incorrect.
Score: 0
Accepted Answers: Accuracy

3) Which of the following can be used to measure temperature? 1 point

- Mercury-in-glass thermometer

No, the answer is incorrect.
Score: 0
Accepted Answers: Mercury-in-glass thermometer
4) The gage pressure is
- The amount by which the measured pressure exceeds the atmospheric pressure
- The amount by which the measured pressure is less than the atmospheric pressure
- Same as atmospheric pressure
- Same as absolute pressure

No, the answer is incorrect.
Score: 0

Accepted Answers:
- The amount by which the measured pressure exceeds the atmospheric pressure

5) Bernoulli equation is about
- Conservation of energy
- Conservation of mass
- Conservation of momentum
- Continuity of flow

No, the answer is incorrect.
Score: 0

Accepted Answers:
- Conservation of energy

6) Which of the following relates pressure (P) of a liquid column of length h with constant density (ρ)?
- \( P = \rho gh \)
- \( P = \rho h \)
- \( P = gh \)
- None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
- \( P = \rho gh \)

7) Which of the following is represented by ratio of density of substance to density of water at 4 \( ^\circ \)C?
- Specific gravity
- Mass density
- Weight density
- Specific density

No, the answer is incorrect.
Score: 0

Accepted Answers:
- Specific gravity

8) In a Wheatstone bridge, which of the following is used as null detector?
- Ammeter
- Galvanometer
9) Consider the Wheatstone-bridge with external voltage V, Resistance Bridge with resistances P, Q, R, S, and galvanometer G. What is the balancing condition of bridge?

- \( \frac{P}{Q} = \frac{S}{R} \)
- \( \frac{P}{S} = \frac{R}{Q} \)
- \( P = \frac{R}{Q} \)
- \( S = \frac{R}{Q} \)

No, the answer is incorrect.
Score: 0
Accepted Answers:
\( \frac{P}{Q} = \frac{S}{R} \)

10) Which of the following can be used to measure composition of a liquid mixture?

- Gas chromatography
- Liquid chromatography
- UV-VIS spectroscopy
- All of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
All of the above

11) The unit used for measuring blood pressure is ________

- mm Hg
- mm H₂O
- Pascal
- None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
mm Hg