

Chemical Engineering Heat Transfer MCQ Quiz Questions & Answers Pdf

1. In the laminar sublayer, heat transfer by
 - a. Conduction is of major importance
 - b. Convection is of major importance
 - c. Radiation is of major importance
 - d. Conduction, convection and radiation are of equal importance

Ans: A

2. Air is
 - a. An excellent heat conductor
 - b. A poor heat conductor
 - c. Is a better heat conductor than steel
 - d. None of these

Ans: B

3. Baffles are used in heat exchanger in order to
 - a. Increase the tube side fluid's heat transfer coefficient
 - b. Promote vibration in the heat exchanger
 - c. Promote cross flow and turbulence in the shell side fluid
 - d. Prevent shell expansion due to thermal effects

Ans: C

4. As the difference between the wall temperature and bulk temperature increases, the boiling heat transfer coefficient

- a. Continues to increase
- b. Continues to decrease
- c. Goes through a minimum
- d. Goes through a maximum

Ans: C

5. For shell and tube heat exchanger with increasing heat transfer area, the purchased cost per unit heat transfer area

- a. Increases
- b. Decreases
- c. Remains constant
- d. Passes through a maximum

Ans: D

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