

Heat Transfer MCQ Questions and Answers Pdf Download

1. Which one of the following will have least value of thermal conductivity?

- a. Copper
- b. Silver
- c. Aluminium
- d. Water

Ans: D

2. Which one of the following materials will have highest value of thermal conductivity?

- a. Steel
- b. Aluminium
- c. Brass
- d. Copper

Ans: D

3. Heat is transferred by conduction, convection and radiation in

- a. insulated pipes carrying hot water
- b. refrigerator freezer coils
- c. melting of ice
- d., boiler furnaces

Ans: D

4. Molecular transmission of heat is smallest in case of

- a. gases
- b. liquids
- c. liquids with impurities
- d. solids

Ans: A

5. The temperature inside a furnace is generally measured by

- a. mercury thermometer
- b. alcohol thermometer
- c. gas thermometer
- d. optical pyrometer

Ans: D

6. Thermal diffusivity is

- a. a mathematical formula only
- b. a physical property of the material
- c. a configuration for heat conduction
- d. a dimensionless parameter

Ans: B

7. Non isotropic conductivity is exhibited in case of

- a. brass
- b. steel
- c. copper
- d. wood

Ans: D

8. Which liquid metal is supposed to be the best conductor

- a. lead

- b. mercury
- c, zinc
- d, sodium

Ans: D

9. The numerical value of which property of air generally drops with rising temperature

- a. density
- b, dynamic viscosity
- c. kinematic viscosity
- d. thermal conductivity

Ans: A

10. A substance above critical temperature exists as

- a. solid
- b. liquid
- c. dry vapour
- d. gas

Ans: D

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