

Thermodynamics Interview Questions with Answers Pdf Download

1. Steady state heat transfer occurs when

- a. the flow of heat is negligible
- b. the flow of heat is uniform
- c. the flow of heat is independent of time
- d. the flow of heat is uniformly increasing

Ans; C

2. Which rays have the least wavelength?

- a. infra-red
- b. ultraviolet
- c. radio
- d. cosmic rays

Ans : D

3. A perfect black body is

- a. black in colour
- c. one which absorbs total radiant energy
- c. one which does not reflect the radiant energy
- d. one which absorbs all radiant energy at all wavelength

Ans: D

4. Pipes are insulated so that

- a. they may not break under pressure
- b. there is minimum corrosion
- c. capacity to withstand pressure is increased
- d. heat loss from the surface is minimized

Ans: D

5. Least value of specific heat is

- a. water
- b. ice

c. stream

d. air

Ans: D

6. The extension and compression of a helical spring is an example of

a. thermodynamic cycle

b. adiabatic process

c. isothermal process

d. reversible process

Ans: D

7. A substance above critical temperature exists as

a. solid

b. liquid

c. gas

d. unsaturated vapour

Ans: C

8. The heat flows through solids only by

a. Conduction

b. convection

c. radiation

d. none of the above

Ans: A

9. Which of the following is not a property of the system?

a. temperature

c. pressure

c. specific volume

d. work

Ans: D

10. A process which does not dissipate available energy is known as

- a. adiabatic process
- b. isothermal process
- c. ideal process
- d. frictionless process

Ans; C

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