

### Heat Transfer Quiz Questions and Answers Pdf Download

1. Heat is transferred from an insulated pipe to the surrounding still air mainly by
- conduction
  - free convection
  - forced convection
  - radiation

Ans: B

2. The machine having highest insulating resistance is
- concrete
  - plywood
  - brick
  - cork

Ans: D

3. Dynamic similarity is the similarity of
- shape
  - forces
  - velocities
  - effective dimensions

Ans: A

4. 1 micron is equal to
- $10^{-4}$  m
  - $10^{-5}$  m
  - $10^{-6}$  m
  - $10^{-8}$  m

Ans; C

5. The relation between the emissive and absorptive power of a surface is developed under
- Planck's law
  - Kirchhoff's law
  - Electrical analogy
  - Stefan Boltzman's law

Ans: B

6. Which non metallic body is expected to have highest value of emissivity?
- iron oxide
  - carbon
  - rubber
  - paper

Ans: D

7. The surface temperature of the sun is

- a. 2000 k
- b. 6000 k
- c. 20000 k
- d. none of these

Ans: B

8. What should be shape of an ideal thermometer?

- a. spherical
- b. cylindrical
- c. cubical
- d. rectangular

Ans: A

9. Planck's law of radiation is applicable to

- a. radiation of any kind
- b. temperature radiation
- c. monochromatic radiation
- d. thermal radiation

Ans: C

10. Pyrometer which react to all wavelengths of incident radiant energy are known as

- a. optical pyrometers
- b. polarising pyrometers
- c. disappearing filament type pyrometers
- d. total radiation pyrometers

Ans: D