

## **Heating and Welding Interview Questions and Answers Pdf**

1. \_\_\_\_\_ has the highest value of thermal conductivity.

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

Ans: A

2. Which of the following heating methods has maximum power factor?

- a. arc heating
- b. dielectric heating
- c. induction heating
- d. resistance heating

Ans: D

3. \_\_\_\_\_ is used for heating non-conducting materials.

- a. Eddy current heating
- b. Arc heating
- c. Induction heating
- d. Dielectric heating

Ans: D

4. When a body reflects entire radiation incident on it, then it is known as

- a. white body
- b grey body
- c. black body
- d. transparent body

Ans: A

5. For the transmission of heat from one body to another

- a. temperature of the two bodies must be different
- b. both bodies must be solids
- c. both bodies must be in contact
- d. at least one of the bodies must have some source of heating

Ans: A

6. Heat transfer by condition will not occur when

- a. bodies are kept in vacuum
- b. bodies are immersed in water
- c. bodies are exposed to thermal radiations
- d. temperature of the two bodies are identical

Ans: D

7. A perfect black body is one that

- a. transmits all incident radiations
- b. absorbs all incident radiations
- c. reflects all incident radiations
- d. absorbs, reflects and transmits all incident radiations

Ans: B

8. Heat is transferred simultaneously by condition, convection and radiation

- a. inside boiler furnaces
- b. during melting of ice
- c. through the surface of the insulated pipe carrying steam
- d. from refrigerator coils to freezer of a refrigerator

Ans: A

9. Which of the following has the highest value of thermal conductivity?

- a. water
- b. steam

- c. solid ice
- d. melting ice

Ans: C

10. Induction heating process is based on which of the following principles?

- a. thermal ion release principle
- b. nucleate heating principle
- c. resistance heating principle
- d. electro-magnetic induction principle

Ans: D

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