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Heating and Welding MCQ

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Q1. Which of the generators are used in arc welding?

- A. Series Generator
- B. Shunt generators
- **C. Differential compound generators**
- D. None of the above

Q2. Induction heating process is fully based on -

- A. Nucleate heating principle
- B. Thermal ion release principle
- C. Resistance heating principle
- **D. Electro-magnetic induction principle**

Q3. elements will have the least range of temperature.

- A. Kanthal
- **B. Eureka**
- C. Nichrome
- D. Silicon carbide

Q4. Which method is suitable for heating of conduction medium?

- A. Radiant heating

- **B. Induction heating**
- C. Induction heating
- D. None of the above

Q5. What are the advantages of High-frequency heating?

- A. The space required is limited
- **B. Uniform heating & More economical**
- C. The operation of high- frequency heating is simple to control.
- **D. All of the above**

Q6. The normal voltage used in directional heating is -

- **A. 1.5 KV**
- B. 15 KV
- C. 15.5 KV
- D. None of the above

Q7. Which of the following option has highest value of thermal conductivity?

- A. Brass
- B. Steel
- **C. Copper**
- D. None of the above

Q8. Which of the following is used for heating non-clouding materials?

- A. Arc heating
- **B. Dielectric heating**
- C. Induction heating
- D. Eddy current heating

Q9. Which of the following welding process uses consumable electrodes?

- **A. MIG**
- B. TIG
- C. Laser
- D. None of the above

Q10. is generally used for arc welding.

- A. insulator
- **B. Transformer**
- C. Electrode
- D. All of the above

Q11. Electronic components are joined by -

- A. Brazing
- **B. Welding**
- C. Soldering
- D. None of the above

Q12. The current range is usually for arc welding.

- A. 50 to 100 A
- **B. 100 to 350 A**
- C. 30 to 40 A
- D. None of the above

Q13. The electrode is made of in atomic hydrogen welding?

- A. Graphite
- **B. Tungsten**
- C. Mild steel
- D. None of the above

Q14. Which of the following welding is not a resistance welding process?

- A. Flush
- B. Seam
- C. Projection
- **D. Carbon arc**

Q15. Which is the not a welding accessory?

- A. Gloves
- **B. Cable**
- C. Hand screen
- D. Electrode holder

Q16. Which of the following electrodes have the least diameter?

- A. 4 SWG
- B. 14 SWG
- C. 16 SWG
- **D. 20 SWG**

Q17. Which of the following contains the highest value of thermal conductivity ?

- A. Steam
- B. Water
- **C. Solid Ice**
- D. All of the above

Q18. has highest value in direct arc furnace ?

- A. Voltage
- **B. Current**
- C. Power factor
- D. None of the above

Q19. The temperature inside a furnace is usually measured by -

- A. Mercury Thermometer
- **B. Optical Pyrometer**
- C. Alcohol Thermometer
- D. None of the above

Q20. Radiant heating is used for

- A. Annealing of metals
- B. Melting of ferrous metals
- **C. Drying of paints and varnishes**

- **D.** All of the above

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