

Furnace Technology MCQ Questions and Answers Pdf

1. Recuperator is
 - a. Not used for fuel gas preheating
 - b. An intermittent waste heat recovery equipment
 - c. A continuous waste heat recovery equipment
 - d. Heavier than regenerator meant for the same dutyAns: B
2. The delivery pressure of boiler feed water pump compared to the boiler steam pressure is
 - a. Same
 - b. Slightly less
 - c. Slightly more
 - d. Much moreAns: A
3. Which furnace employs natural draft?
 - a. Coke oven
 - b. High pressure boiler
 - c. Rotary kilns
 - d. L.D. convertorAns: A
4. Furnace aerodynamics is related to _____ in the furnace.
 - a. Movement of gases
 - b. Measurement of flue gas volume
 - c. Temperature control
 - d. Pressure adjustmentAns: A
5. Which furnace employs preheating, heating and soaking zones?
 - a. Soaking pit
 - b. Reheating furnace
 - c. Open hearth furnace
 - d. CupolaAns: B
6. Which of the following relatively employs highest heat transfer surface area in a high pressure boiler?
 - a. Air preheater
 - b. Economiser
 - c. Steam superheater
 - d. Furnace of water wallAns: A
7. _____ atmosphere is maintained inside an iron blast furnace.

- a. Oxidising
- b. Reducing
- c. Inert
- d. Decarburising

As: B

8. _____ furnace is not an electric furnace.

- a. Arc
- b. Induction
- c. Pot
- d. Resistance

Ans: C

9. Use of pulverised coal in boilers provides

- a. Higher calorific value
- b. Better combustion
- c. Smokeless burning
- d. Less erosion on furnace wall

Ans: B

10. Maximum thermal efficiency of boilers occurs at about

- a. Full load
- b. 25% of full load
- c. Two third of full load
- d. Half of full load

Ans: C

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