

## Metallurgical Engineering Iron Making & Steel Making Quiz Questions

1. Siderite is the \_\_\_\_\_ ore of iron.

- a. Oxide
- b. Carbonate
- c. Sulphide
- d. Sulphate

Ans: B

2. The main reducing agent in blast furnace is

- a. Airs
- b. Carbon monoxide
- c. Hydrogen
- d. Limestone

Ans: B

3. Brown iron ores are rich in

- a. Magnetite
- b. Hematite
- c. Limonite
- d. Carbonate

Ans: C

4. Black iron ore mainly contains

- a. Hematite
- b. Magnetite
- c. Limonite
- d. None of these

Ans: B

5. Slag is

- a. Always basic in nature
- b. Always acidic in nature

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- c. Molten oxide product of smelting
- d. Heavier than iron

Ans: B

6. Which of the following charge materials in the blast furnace burden has got maximum average size?

- a. Iron ore lump
- b. Sinter
- c. Coke
- d. Lime

Ans: C

7. Blast furnace stoves are heated by

- a. Waste flue gases
- b. Coke oven gas
- c. B.F. gas or mixed gas
- d. Super heated steam

Ans: C

8. \_\_\_\_\_ iron is produced in cupola.

- a. Pig
- b. Cast
- c. Wrought
- d. High silicon

Ans: B

9. Acidic iron is produced in the blast furnace (by maintaining highly basic slag), which is rich in

- a. Phosphorous
- b. Sulphur
- c. Silicon
- d. Manganese

Ans: C

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10. Blast furnace hearth is lined with the

- a. High alumina bricks
- b. Corundum bricks
- c. Zirconia bricks
- d. Carbon dioxide

Ans: D

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