

Metallurgical Engineering Iron Making & Steel Making MCQ Questions

Question: 1

The output of a blast furnace is limited by the

- (A) Maximum hearth temperature attainable
- (B) Top pressure mainly
- (C) Hot blast temperature mainly
- (D) Appearance of flooding in the bosh

[View Answer](#)

Ans: D

Appearance of flooding in the bosh

Question: 2

Permeability of the charge in the bosh region of the blast furnace is maintained by

- (A) Limestone flux
- (B) Iron ore
- (C) Coke
- (D) Sinter

[View Answer](#)

Ans: C

Coke

Question: 3

Chief source of sulphur in the blast furnace is

- (A) Coke
- (B) Iron ore
- (C) Sinter
- (D) Limestone

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Ans: A

Coke

**Question: 4**

Finest dust particles present in blast furnace gas is removed by a/an

- (A) Hydrocyclone
- (B) Electrostatic precipitator
- (C) Dust catcher
- (D) Wet scrubber

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Ans: B

Electrostatic precipitator

**Question: 5**

Which of the following technologies has the least effect on the coke rate reduction in the blast furnace?

- (A) Increase in top pressure
- (B) Coal dust injection in blast furnace

- (C) Oxygen enrichment of blast
- (D) Reduction in ash content in coke

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Ans: C

Oxygen enrichment of blast

**Question: 6**

All the solid material present in the blast furnace hearth and bosh is

- (A) Gaunge
- (B) Coke
- (C) Flux
- (D) Iron ore lump

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Ans: D

Iron ore lump

**Question: 7**

Chief source of sulphur in the blast furnace charge is

- (A) Flux
- (B) Sinter
- (C) Iron ore
- (D) Coke

[View Answer](#)

Ans: D

Coke

**Question: 8**

Installation of Bell Less Top(BLT) system in modern blast furnace in improved

- (A) Calorific value of B.F. gas
- (B) Hearth cooling
- (C) Quality of pig iron
- (D) Burden distribution

[View Answer](#)

Ans: D

Burden distribution

**Question: 9**

Fuel used for the ignition in sinter machine is

- (A) Furnace oil
- (B) Tar
- (C) Pulverised coke
- (D) Coke oven gas/mixed gas

[View Answer](#)

Ans: D

Coke oven gas/mixed gas

**Question: 10**

Increased fines in the charge of blast furnace increases the

- (A) Deriving rate at a given air blowing pressure
- (B) Reduction rate
- (C) Pressure drop inside the furnace
- (D) Burden permeability

[View Answer](#)

Ans: C

Pressure drop inside the furnace

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