

## Fuel Technology Objective Questions and Answers Pdf

1. Chemical inhibitor that minimizes caustic embrittlement of industrial boilers is
  - a. Sodium nitrate
  - b. Sodium sulfate
  - c. Calcium chloride
  - d. Ferric sulphate

Ans: A

2. The difference between % of total carbon and fixed carbon will be minimum in case of
  - a. Lignite
  - b. Bituminous coke
  - c. Anthracite
  - d. High temperature coke

Ans: D

3. Petroleum coke is used mainly in the
  - a. Discoloration of yellow glycerine
  - b. Sugar refining
  - c. Manufacture of carbon electrode
  - d. Blast furnace for reduction of iron ore

Ans: C

4. Which of the following has the highest theoretical flame temperature?
  - a. Blast furnace gas
  - b. Hydrogen
  - c. Acetylene
  - d. Coke oven gas

Ans: C

5. 'Wobbe index' is a characteristic of the
  - a. Solid fuels
  - b. Gaseous fuels
  - c. Liquid fuels
  - d. Fat coals

Ans: B

6. Fat coals are those coals, which have very high
  - a. Caking capacity
  - b. Volatile matter content
  - c. Fusion point of its ash
  - d. Inherent moisture content

Ans: A

7. Air/gas ratio for complete combustion will be the highest for

- a. LPG
- b. Gobar gas
- c. Coke oven gas
- d. Carburetted water gas

Ans: A

8. Presence of \_\_\_\_\_ in a dry gaseous fuel does not contribute to its calorific value.

- a. Sulphur
- b. Oxygen
- c. Hydrogen
- d. Carbon

Ans: B

9. Gobar gas is generated by the \_\_\_\_\_ of cow dung.

- a. Fermentation
- b. Oxidation
- c. Hydrogenation
- d. Hydrolysis

Ans: A

10. Combustion of large size and irregular lump coal does not result in higher

- a. Excess air requirement
- b. Stack loss
- c. Unburnts in the ash
- d. Thermal efficiency

Ans: D