

- a) Lump coal
 - b) Pulverised or powdered coal
 - c) Lump coke
 - d) None of the above
- Q.6 The_____ value is the measurement of heat or energy produced when a unit mass of fuel is burnt.
- a) Calorific b) Viscosity
 - c) Density d) Specific gravity
- Q.7 Which of the following fuel needs maximum amount of excess air for complete combustion?
- a) Furnace oil b) Natural gas
 - c) Pulverised coal d) Wood
- Q.8 Thermocouple is used to measure the
- a) Pressure b) Temperature
 - c) density d) calorific value
- Q.9 Draught is produced by
- a) induced fan
 - b) forced fan
 - c) induced and forced fan
 - d) all of the above
- Q.10 _____ are those constituents of coal and coke which take part in combustion.
- a) Non combustible b) Combustible
 - c) Both a & b d) None of these

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SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Combustion is an chemical reaction. (True/False)
- Q.12 Coke is made by heating coal in_____ of oxygen. (Presence/Absence)
- Q.13 First stage of coal formation is lignite.(True/False)
- Q.14 LPG stands for_____.(Liquefied Petroleum / Gas liquefied Pale Gas)
- Q.15 Powdered coal is known as Pulverized coal. (True/False)
- Q.16 Analysis of fuel gas is made by_____ apparatus. (Orsat/Bomb)
- Q.17 Bomb calorimeter is used to determine the_____ value of furl. (Viscosity, calorific)
- Q.18 Moisture is determined by heating coal sample at 105°-110° C.(True/False)
- Q.19 Dampers in the kiln are used to control the exhaust. (True/False)
- Q.20 Viscosity of oil is determined by Redwood viscometer. (True/False)

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Explain theoretical air required for combustion.

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