



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)



Test your knowledge: Fuels and Combustion

1. Which of the following is not a fossil fuel

- ☐ a. Oil
- ☐ b. Geothermal
- ☐ c. Natural gas
- ☐ d. Coal

2. The total amount of heat or energy produced by one kg of fuel is the:

- ☐ a. Heat content
- ☐ b. Gross Calorific Value (GCV)
- ☐ c. Net Calorific Value (NCV)
- ☐ d. Specific heat

3. What is the percentage of oxygen by volume in the atmosphere

- ☐ a. 14%
- ☐ b. 20.9%
- ☐ c. 23%
- ☐ d. 79%

4. LPG is predominantly a mixture of propane and

- ☐ a. Methane
- ☐ b. Butane
- ☐ c. Isopropane
- ☐ d. Ethane

5. Combustion of which of the following fuels requires the highest amount of excess air

- ☐ a. Light diesel oil (LDO)
- ☐ b. LPG
- ☐ c. Natural gas
- ☐ d. Coal

6. The presence of carbon monoxide (CO) in flue gases means

- ☐ a. High excess air
- ☐ b. High thermal efficiency
- ☐ c. Poor combustion
- ☐ d. All of the above

7. KOH solution used in Orsat apparatus absorbs

- (a) CO_2
- (b) Both (A) & (B)
- (c) O_2
- (d) Neither (A) nor (B)

8. Combustion reaction of fuels is a/an _____ reaction.

- (a) Auto catalytic
- (b) Endothermic
- (c) Exothermic
- (d) None of these

9. The main constituent of gas produced from the gohar gas plant is

- (a) CO_2
- (b) Methane
- (c) H_2
- (d) SO_2



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10. Fisher Tropsh Method aim at

(a) Gasification of coal

(c) Synthesis of gasoline

(b) Production of Coke

(d) Synthesis of Nano particles

1.b	2.c	3.b	4.b	5.d
6.c	7.c	8.c	9.b	10.c