

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Describe the all types of fuels with examples.
- Q.24 Describe the any one method of measurement of viscosity of liquid fuel used in ceramic plant.
- Q.25 Explain the manufacturing process of natural gas and list its properties and uses.

No. of Printed Pages : 4

Roll No.

220432

3rd Sem / Ceramic

Subject :Fuels and Furnaces

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Example of liquid fuel is _____.

- a) Petrol b) gas
c) coke d) coal

Q.2 The natural solid fuel is

- a) coal b) charcoal
c) coke d) Ipg

Q.3 A chemical process in which a substance react with oxygen to give off heat is called

- a) Reduction b) evaporation
c) combustion d) none of these

(60)

(4)

220432

(1)

220432

Q.4 _____ is not a electric furnace.

- a) Arc
- b) Induction
- c) Pot
- d) Resistance

Q.5 Which of the following is a type of continuous kiln?

- a) tunnel
- b) up draught
- c) down draught
- d) shuttle

Q.6 The heating capacity of muffle furnace depends on the

- a) Surface area & emissivity of the stock
- b) Properties of the muffle wall (temperature, area, and emissivity)
- c) Both (a) & (b)
- d) Neither (a) nor (b)

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. $(6 \times 1 = 6)$

Q.7 Blast furnace is used to produce iron metal. (True/False)

Q.8 Crown is a part of kiln/furnace. (True/False)

Q.9 LPG stands for _____.

Q.10 Tunnel kiln is a continuous type of kiln. (True/False)

Q.11 Thermocouple is used to measure temperature. (True/False)

Q.12 The fuel as gas used for making food in our kitchen is called as _____

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. $(8 \times 4 = 32)$

Q.13 Classify furnaces.

Q.14 Explain gaseous fuels with examples.

Q.15 Discuss ignition temperature.

Q.16 Discuss blast furnace.

Q.17 Discuss properties of coal.

Q.18 Explain electric furnace.

Q.19 Explain water gas.

Q.20 Discuss downdraft kiln.

Q.21 List the classification burners.

Q.22 Explain infrared pyrometer.