



Q.4 Which of the following is a type of batch kiln?

- a) Tunnel                      b) Roller
- c) Shuttle                     d) None

Q.5 Which of the following devices is used to measure relatively high temperature in furnace

- a) Bolometer                b) Pyrometer
- c) Ammeter                 d) Fluxometer

Q.6 Pot furnace which is either regenerative or recuperative, is used in the manufacture of

- a) Glass                      b) Stainless steel
- c) Potteries                 d) Refractory bricks

### SECTION-B

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Combustion is an exothermic chemical reaction. (True/False)

Q.8 Air contains \_\_\_\_\_ % of nitrogen by volume.

Q.9 CO stands for \_\_\_\_\_.

Q.10 Shuttle kiln is a batch type of kiln. (True/False)

Q.11 Calorific value is determined with the help of \_\_\_\_\_ apparatus.

Q.12 Tank furnace is used to make \_\_\_\_\_.

### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Explain combustion.

Q.14 Explain liquid fuels with examples.

Q.15 Discuss pulverised coal.

Q.16 Differentiate between continuous and batch type kiln.

Q.17 Discuss orsat analysis.

Q.18 Explain burner for gaseous fuels.

Q.19 Explain flue gas.

Q.20 Discuss muffle furnace.

Q.21 List the pyrometers.

Q.22 Explain hoffman' kiln.