



- Q.4 Formula of Soda feldspar is
- $\text{Na} \square \text{O} \cdot \text{SiO} \square$
  - $\text{Na} \square \text{O} \cdot \text{Al} \square \text{O} \square \cdot 6\text{SiO}$
  - $\text{K} \square \text{O} \cdot \text{H} \square \text{O}$
  - All of these
- Q.5 Purpose of fritting is to convert \_\_\_\_\_
- Soluble raw materials into insoluble form.
  - Fine raw materials into bulky form.
  - Toxic raw materials in to less toxic or non toxic form
  - All of these
- Q.6 Which of the following is industrial waste materials which is used as raw materials in Ceramic industry.
- Fly Ash
  - Blast Furnace slag
  - Grog
  - All of these

### SECTION-B

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

- Q.7 Binder increases green strength of body. (True/False)
- Q.8 Formula of clay is  $\text{Al} \square \text{O} \square \cdot 2\text{SiO} \square 2\text{H}_2\text{O}$ . (True/False)
- Q.9 Ball clay is \_\_\_\_\_ plastic raw materials in comparision to China clay. (More / Less)

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- Q.10 The formula of sand is \_\_\_\_\_.
- Q.11 \_\_\_\_\_ is one of the raw materials of silica used in body. (Quartz / Bone ash)
- Q.12 \_\_\_\_\_ is the industrial waste materials used as raw materials in Ceramic Industry. (Fly ash / Quartz)

### SECTION-C

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

- Q.13 Define residual and transported clays.
- Q.14 Explain beneficiation of clay.
- Q.15 Write properties and uses of talc.
- Q.16 List properties and uses of bone ash.
- Q.17 Explain role of flux in Ceramic Industry.
- Q.18 Write role of binder and lubricants in Ceramic Industry.
- Q.19 Write sources of alumina.
- Q.20 Name four synthetic raw materials.
- Q.21 Write properties and uses of sillimanite.
- Q.22 Define flux. Write different types of flux.

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