

Q.4 _____ kiln is used for cement manufacturing .

- a) Rotary b) Tunnel
- c) Hoffman d) None of these

Q.5 Gypsum is used for controlling _____ cement.

- a) Setting time b) Mixing time
- c) Ignition temperature d) None of these

Q.6 Which of the following has highest content in OPC-

- a) Lime b) Silica
- c) Alumina d) None of these

SECTION-B

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

Q.7 Cement is organic material. (T/F)

Q.8 Final setting time of ordinary portland cement is 10 hrs. (T/F)

Q.9 CaCO_3 is formula of _____. (cobalt oxide/ Limestone)

Q.10 Marble is calcareous material . (T/F)

Q.11 Fineness of portland cement is performed with sieve 90 micron. (T/F)

Q.12 Soundness of cement is tested by Le-chatelier's apparatus. (T/F)

SECTION-C

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

Q.13 Define portland cement.

Q.14 List of physical properties of cement .

Q.15 List uses of oil well cement .

Q.16 Describe determination of fineness of cement .

Q.17 Write properties of rapid hardening of cement .

Q.18 State the percentage of gypsum used in cement and explain its function.

Q.19 Explain the thermo chemistry of clinker formation.

Q.20 Enlist properties and uses of lime.

Q.21 Write various health and safety measured must be taken in cement industry.

Q.22 Define low heat cement.