

SECTION-D

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

Q.23 Define cement. Name its different types. Explain any two.

Q.24 Explain formation and classification of igneous rocks.

Q.25 Explain internal structure of earth.

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2nd Year / Ceramic

Subject : Basics of Ceramic Engineering

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

Q.1 Ceramic product's are used in_____

- a) Medicine b) Construction
- c) Electronics d) All of the above

Q.2 Refractory's are used at

- a) High Pressure b) Low pressure
- c) High Temperature d) Room Temperature

Q.3 _____ cement is used for retaining walls and massive constructions

- a) Quick Setting b) Low heat
- c) Coloured d) White

- Q.4 Glass is
 a) Hard b) Brittle
 c) Transparent d) All of these
- Q.5 _____ part of atmosphere is closest to earth,
 a) Tropo sphere b) Strato sphere
 c) Meso sphere d) Iono sphere
- Q.6 Work of wind erosion includes
 a) Deflation b) Plucking
 c) Scratching d) Hydraulic action

SECTION-B

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

- Q.7 Ceramics are defined as products made from inorganic materials (True/False)
- Q.8 Formula of silica is ____ ($\text{SiO}_2/\text{SiO}_4$)
- Q.9 _____ the main raw materials of glass. (Alumina/ Silica)
- Q.10 _____ is gives shaping ability to unfired products .(Clay/Silica)

- Q.11 Neutral refractories are those which are not attacked by either basic slag or acidic slag. (T/F)
- Q.12 _____ are formed by cooling and solidification of lava .(Igneous/ Metamorphic)

SECTION-C

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

- Q.13 Discuss scope of Ceramics Engineering.
- Q.14 Explain classification of whitewares .
- Q.15 Explain wind erosion .
- Q.16 Write properties of refractories.
- Q.17 Name raw materials of whitewares.
- Q.18 Explain the term weathering of rocks.
- Q.19 Name four types of cements.
- Q.20 Define acidic and basic refractories.
- Q.21 Define glass. Name its types .
- Q.22 Define composite material. Name different types of composites.