

1st year / Branch : Ceramic Engineering

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 Acidic refractories are attacked by _____.

- a) Acidic Slags
- b) Basic slags
- c) Both a & b
- d) None of the above

Q.2 _____ is example of Physical agent is.

- a) Wind
- b) Running water
- c) Moving ice
- d) All of the above

Q.3 Example of glass raw material is.

- a) Sand
- b) Ball Clay
- c) Brown clay
- d) Bentonite

Q.4 Igneous rocks are formed by cooling and solidification of.

- a) Leave
- b) Glass
- c) Lava
- d) Metal

Q.5 Ceramics materials are _____ in character.

- a) Brittle
- b) Hard

- c) Corrosion Resistant d) All of above
- Q.6 Which of the following Ceramic Products are used at high temperature.
- a) Glass b) Wash basin
c) Refractories d) Floor tile

SECTION-B

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

- Q.7 _____ one of the raw materials of Refractories. (Alumina powder/ Feldspar).
- Q.8 Slate is metamorphic rock. (True/False)
- Q.9 Deflation is one type of _____ erosion. (Wind, running water)
- Q.10 Primary or first forming rocks are called igneous rocks. (True/False)
- Q.11 Direct and indirect action of the physical agents on Rocks is called as weathering of rock. (True/False)
- Q.12 Metamorphic rocks are _____. (Primary/Secondary)

SECTION-C

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

- Q.13 Discuss scope of Ceramic Engineering
- Q.14 List properties and uses of white wares.
- Q.15 List factors affecting selection of raw materials of refractories.
- Q.16 Write four properties of glass.

- Q.17 Define the term glass. Name four raw materials of glass.
- Q.18 Explain work of atmosphere.
- Q.19 Discuss geological work (erosion only) of running water.
- Q.20 Discuss age of earth.
- Q.21 Name any four rocks.
- Q.22 Explain formation of sedimentary rocks.

SECTION-D

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

- Q.23 Explain formation and classification of igneous rocks.
- Q.24 Discuss internal structure of earth
- Q.25 Explain geological work of wind.