

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 Which of the following is Raw materials of glass
- a) Silica Sand
 - b) Boro Silicate
 - c) Feldspar
 - d) All of the above
- Q.2 Igneous rocks are formed by cooling and solidification of
- a) Lava
 - b) Clay
 - c) Both A & B
 - d) None of these
- Q.3 The word Ceramics is came into existance from _____ Greek word.
- a) Ceramos
 - b) Keramos
 - c) Seletos
 - d) Cromosome
- Q.4 Basic refractories are not attacked by _____.
- a) Acidic Slags
 - b) Basic slags
 - c) Both A & B
 - d) None of the above

Q.5 Which of the following is not example of Physical agent is

- a) Running water b) Moving air (wind)
- c) Glaciers d) Sand

Q.6 Which of the following is the example of Ceramic Products.

- a) Floor tile b) Silica Refractory
- c) Boro silicate Glass d) All of these

Section-B

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

Q.7 Glass is termed as _____ product of fusion.
(Organic/Inorganic)

Q.8 Refractories are materials which can withstand at high temperature without fusion. (True/False)

Q.9 Cement shows binding properties without addition of water. (True/False)

Q.10 Silicon dioxide is major raw material of glass.
(True/False)

Q.11 Igneous rocks are formed by cooling and solidification of lava/magma. (True/False)

Q.12 The colour of ordinary Portland cement is _____. (Gray, Black)

Section-C

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

Q.13 Explain development of Ceramics.

Q.14 Define the term glass. Name its types.

Q.15 Define the word Ceramics. Write brief history.

Q.16 Write properties and uses of quick setting cement.

Q.17 Explain the term weathering of rocks.

Q.18 Discuss formation of igneous rocks.

Q.19 Explain transportation of material by running water.

Q.20 Name for properties of refractories.

Q.21 Name raw materials of glass.

Q.22 Explain earth as a planet.

Section-D

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

Q.23 Explain geological work of running water.

Q.24 Define the term refractory. Explain its classification with examples.

Q.25 Explain formation, classification and texture of sedimentary rocks.