

**2nd Sem / 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 \_\_\_\_\_ is an example of white-ware.

- a) Refractory
- b) Glass
- c) Earthenware
- d) None of these

Q.2 \_\_\_\_\_ are those refractories which are not attacked by basic slag.

- a) Acidic refractory
- b) Basic refractory
- c) Neutral refractory
- d) All of these

Q.3 The main raw material used for manufacturing glass is\_\_\_\_\_

- a) Silica sand
- b) Lime
- c) Clay
- d) Graphite

Q.4 Percentage of silica in basic rocks is-

- a) less than 50%
- b) More than 80%
- c) 95%
- d) None of these

Q.5 Sedimentary rocks are \_\_\_\_\_ rocks.

- a) Primary
- b) Firstly
- c) Ternary
- d) Secondary

Q.6 Which of the following is planet of solar system?

- a) Ceramic
- b) Moon
- c) Earth
- d) None of these

### SECTION-B

**Note:** Objective/ Completion type questions. All questions are compulsory.  $(6 \times 1 = 6)$

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

Q.8 Silica is major raw material of glass. (T/F)

Q.9 Acidic rocks have low percentage of silica. (T/F)

Q.10 Igneous rock are primary rocks. (T/F)

Q.11 Glaciers may be defined as slow moving masses of ice. (T/F)

Q.12 Crust is layer of Earth. (T/F)

### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions.  $(8 \times 4 = 32)$

Q.13 Define glass.

Q.14 Define Cement.

Q.15 Define refractory.

Q.16 Discuss type of glass.

Q.17 Discuss neutral refractory.

Q.18 Classification of igneous rock based on silica content.

Q.19 Write composition of igneous rock.

Q.20 How deposition take place during geological work of river.

Q.21 Explain geological work of sea.

Q.22 Name two examples of glass.

### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions.  $(2 \times 8 = 16)$

Q.23 Describe the all types of refractories with examples.

Q.24 Describe the properties, types and uses of glass.

Q.25 Explain the manufacturing process of cement and list its properties and uses.