

- Q.24 List properties of Portland cement.
- Q.25 Differentiate wall and floor tiles.
- Q.26 Discuss opportunities for ceramics engineering diploma holders.
- Q.27 Differentiate ball clay and china clay.
- Q.28 Enlist two raw materials of Cement. Write their functions.
- Q.29 Define glass. List types of glass.
- Q.30 Discuss two raw materials of Glass.
- Q.31 Differentiate refractories and glass.
- Q.32 List properties of Cement.
- Q.33 Explain scope of diploma in Ceramic engineering.
- Q.34 Differentiate acidic and basic refractories.
- Q.35 List type of cement.

#### **SECTION-D**

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 List various types of cements. Explain any one with properties and uses.
- Q.37 Define the term refractory. Explain its classification.
- Q.38 Define glass. Explain its classification.

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#### **2nd Sem./ Ceramic Engineering Subject:- Introduction To Ceramic Engineering**

Time : 3Hrs. M.M. : 100

#### **SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Which of the following is used in refractory manufacturing?
- a) Alumina                  b) Iron  
c) Plastic                  d) Bronze
- Q.2 Which of the following is modern ceramics?
- a) Bio ceramics                  b) Dental Ceramics  
c) Nuclear Ceramics          d) All of these
- Q.3 Acidic Refractory's are attacked by \_\_\_\_\_
- a) Acidic Slags                  b) Basic slags  
c) Neutral slags                  d) All of the above
- Q.4 Which one of the following is basic refractory?
- a) Carbon brick                  b) Metal  
c) Silica brick                  d) Dolomite

Q.5 The word "Keramos means"

- a) Art of potter
- b) Art of fire
- c) Art of water
- d) Art of wood

Q.6 Glass is made from \_\_\_\_\_

- a) Dolomite
- b) Quartz
- c) Feldspar
- d) All of these

Q.7 Main constituent of glass is \_\_\_\_\_ ?

- a) Silica
- b) Alumina
- c) Carbon
- d) Lime

Q.8 Gypsum is added in \_\_\_\_\_

- a) Refractory
- b) Cement
- c) Glass
- d) All of the above

Q.9 Which of the following is main raw material of Cement?

- a) Silica Sand
- b) Feldspar
- c) Iron oxide
- d) Lime stone

Q.10 Final setting time of ordinary Portland cement is

- a) 60 minutes
- b) 90 Minutes
- c) 30 minutes
- d) 10 Hours

## SECTION-B

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

Q.11 Ceramics are also used in electronics applications. (True/False)

Q.12 Ceramics wares are fired in furnaces. (True/False)

Q.13 Glass is made from clay. (True/False)

Q.14 Wall tile is the example of refractory. (True/False)

Q.15 Melting point of alumina is 1720 degree. (True/False)

Q.16 Ceramic wares are made from earthy deposits. (True/False)

Q.17 Ceramics can be used to fill cavities of teeth. (True/False)

Q.18 Silica is acidic refractory. (True/False)

Q.19 Neutral refractory are neither attacked by acidic slags nor by basic slags. (True/False)

Q.20 Glass is non-crystalline. (True/False)

## SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 Discuss scope of ceramics engineering.

Q.22 List uses of ceramics electrical insulators.

Q.23 List five raw material of glass.