

- 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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Roll No.

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.