

SECTION-D

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

Q.23 Explain function of different parts of glass tank furnace.

Q.24 Explain causes and remedies of bubbles and seeds from molten glass.

Q.25 Describe sheet glass manufacturing process.

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4th Sem / Ceramic Engg.

Subject : Glass Technology-I

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Glass has _____.

- a) Melting Point b) Softening range
- c) Both A & B d) None of these

Q.2 Annealing is the process of relieving

- a) Stress b) Viscosity
- c) Density d) Strain

Q.3 _____ is coloring oxide used in glass.

- a) Alumina b) Silica
- c) Soda d) Chromium Oxide

Q.4 Large Bubble in cooled glass are known as _____

- a) Bubbles b) Seeds
- c) Cords d) Strain

Q.5 Debiteuse is used in _____

- a) Fourcault machine b) Pittsburg process
- c) Colburn process d) All of these

Q.6 Which is a flat glass manufacturing process?

- a) Float batch b) Fourcault process
- c) Jiggering d) None

SECTION-B

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

Q.7 Stone is a type of glass defect. (True/False)

Q.8 Blisters and seeds are bubbles in glass. (True/False)

Q.9 Gob feeder is used to collect lumps of _____ glass.

Q.10 Silica is glass former. (True/False)

Q.11 Calcium carbonate is network former. (True/False)

Q.12 Cullet is _____ glass.

SECTION-C

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

Q.13 Describe the properties and uses of Glass.

Q.14 Write the different raw materials used in glass preparation.

Q.15 Explain various types of furnaces used in glass industry.

Q.16 Differentiate Glass tank furnace and pot furnace.

Q.17 Explain Glass manufacturing process.

Q.18 Explain Foucault method for sheet glass.

Q.19 Write working of Regenerative tank furnace.

Q.20 What is Cullet? Describe the function of cullet in glass melting.

Q.21 Explain function of fluxing agent and coloring agent in glass.

Q.22 Differentiate Regenerative and Recuperative Furnace.