

# GNDEC SCHOOL OF ARCHITECTURE

[Total No. of Questions: 4]

[Total No. of Pages: 1]

Uni. Roll No. ....

Program/ Course: B. Voc. /B.Arch.

Sem. 4

Name of Subject: Building Materials-I

Subject Code: BARCH408-21

Paper ID:

**Time Allowed: 1:30 Hours**

**Max. Marks: 24**

**Instructions for the candidates:**

- 1) Section-A is compulsory and consists of 5 short questions of 2 marks each.**
- 2) Section-B consists of 3 questions of 7 marks each. Attempt any two questions from this section.**
- 3) Any missing data may be assumed appropriately.**
- 4) Illustrate through sketches.**

## **Section– A**

**[Marks: 02 each]**

**Q1. Write short notes:**

- a) Define in short "Glass" as a building material.
- b) List different types of Glass based on the composition.
- c) Define the process of Annealing in the manufacturing of Glass.
- d) Which kind of Glass is preferable for situations exposed to X-rays and Gamma-rays? And why?
- e) Explain how a Float Glass could be made resistant to sudden temperature changes.

## **Section– B**

**[Marks: 7 each]**

- Q2.** Express the desired properties of Glass as a building material.
- Q3.** State the characteristics and uses of Soda-Lime Glass.
- Q4.** Differentiate "Tempered Glass" and "Annealed Glass".

\*\*\*\*\*