

GNDEC SCHOOL OF ARCHITECTURE

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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”.
