[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]**

1. **Write short notes:**
2. Define in short “Glass” as a building material.
3. List different types of Galss based on the composition.
4. Define the process of Annealing in the manufacturing of Glass.
5. Which kind of Glass is preferable for situations exposed to X-rays and Gamma-rays? And why?
6. Explain how a Float Glass could be made resistant to sudden temperature changes.

**Section– B** **[Marks: 7 each]**

1. Express the desired properties of Glass as a building material.
2. State the characteristics and uses of Soda-Lime Glass.
3. Differentiate “Tempered Glass” and “Annealed Glass”.

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