Roll No…….. **Total No. of Printed Pages: 1**
Total No. of Questions: 07

B. Architecture (Semester – 1st)
BUILDING SCIENCE & TECHNOLOGY- I
Subject Code: BARC1107
Paper ID: [120107]

Time: 03 Hours **Maximum Marks: 60**

Instruction for candidates:

1. Question no. 1 is compulsory.
2. Attempt any four questions from Unit I, II & III, selecting at least one question from each unit.

Q1. Attempt the following: **(02 marks each)**

a) What do you understand by the term pointing?
b) What do understand by the term seasoning of timber?
c) What is lean concrete? Where it is used?
d) Earthquakes are measured on which scale? Briefly Explain
e) What causes Tsunami?
f) What are advantages of machine made bricks?

Unit -I

Q2. Explain the modes of rock formation in detail. **(12)**
Q3. What considerations can be taken to mitigate the effect of calamity of Earthquakes? Explain in detail. **(12)**

Unit -II

Q4. Explain various types of cement available in the market along with their properties. **(12)**
Q5. What is seasoning? Explain of various stages seasoning process of timber in detail. **(12)**

Unit -III

Q6. Differentiate between P.C.C. and cement mortar. Also give an account of their properties. **(12)**
Q7. Explain the composition, uses and properties of cement mortar. **(12)**