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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)**