Roll No……..….. **Total No. of Printed Pages: 1**
Total No. of Questions: [7]

B. Architecture (Semester – 6th)
ESTIMATING & COSTING
Subject Code: BARC1-645
Paper ID: [120137]

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

Instruction for candidates:

- Answer all questions from Section A carrying 2 marks each
- Attempt any 4 Questions (atleast 1 from each unit) from Section B carrying 12 marks each.
- Support your answers with neat sketches/drawings/examples as applicable.

Section A **(6x2 marks)**

Q1. Answer all questions briefly

a. Define the Bill of Quantities.
b. Briefly discuss the factors that influence the rates of materials and labour in construction.
c. Briefly explain specifications in the context of building construction.
d. What are the primary roles and functions of specifications?
e. Discuss the differences between arbitration and reconciliation.
f. What are advantages of arbitration and reconciliation in resolving disputes in construction?

Section B **(4x12 marks)**

Unit – I

Q2. What is an estimate in construction, and why is it essential in project planning? Outline the steps involved in preparing a detailed estimate for a two-storeyed residential building.

Q3. What are the various methods of estimates used in the construction industry? What are their advantages and limitations?

Unit – II

Q4. What is meant by detailed specifications? How do detailed specifications help in maintaining quality control during construction?

Q5. Describe the different types of specifications their application in construction work.

Unit – III

Q6. Describe the different types of tenders and explain their most appropriate applications in construction industry.

Q7. Explain the various methods of valuation and their applications. Also compare the advantages and limitations of the cost method and the income capitalization method in valuation.