

Roll No.....

Total No. of Printed Pages: 1

Total No. of Questions: 7

**B. Architecture (Semester – 10<sup>th</sup>)**

**BUILDING ECONOMICS**

**Subject Code: BARC1 – X70**

**Paper ID: 120159A**

**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 questions:

**2X6=12**

- a) What is the importance of Building Economics?
- b) Explain the principles of cost management on brief.
- c) Explain the role of National Building Code in Building industry.
- d) Enlist various cost reduction techniques using structural innovations.
- e) Explain the concept of modular construction in brief.
- f) Explain the advantages of Pre-Fabrication in Building Construction.

**Unit -I**

Q2. Enlist various components of buildings and their impact on cost. **(12)**

Q3. Explain the Life Cycle cost of a commercial building by taking suitable example. **(12)**

**Unit -II**

Q4. Explain various techniques that can be used for cost reduction using specifications. **(12)**

Q5. Among Low rise and High-rise buildings, which type will be more appropriate for affordable housing and why? **(12)**

**Unit -III**

Q6. How mass production and standardization help in promoting cost effectiveness? Explain. **(12)**

Q7. Explain the role of Technology in making the buildings cost effective. **(12)**