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Roll No. Total No. of Pages: 01

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B.Architecture (2012 & Onwards) (Sem.-9)
BUILDING ECONOMICS - I

Subject Code : BACH-904 Paper ID : [74098]

Time: 3 Hrs. Max. Marks: 60

## **INSTRUCTIONS TO CANDIDATES:**

- 1. Attempt total of FIVE questions including question no. 1 which is compulsory carrying TWO marks each.
- 2. Attempt ANY TWO questions from UNIT-I and ANY TWO questions from UNIT-II carrying 12.5 marks each.

# Q1 Write Short Notes On The Following:

- a. Operational cost
- b. Pre engineered buildings
- c. Cost effective buildings
- d. Space optimization
- e. Cost analysis

#### UNIT-I

- Q2 What are the various principles of building economics? Explain in detail.
- Q3 What is the impact of maintenance cost on the total cost of a building project? Discuss.
- Q4 What is the need and procedure involved in cost management of a building project?
- Q5 "Construction of High rise buildings involves higher financial input". Discuss the statement with suitable examples.

## **UNIT-II**

- Q6 Explain in brief how the use of newer and innovative building materials has completely changed the construction time and technology.
- Q7 "Modular Construction and standardization plays an important role in cutting the overall cost of the project". Discuss.
- Q8 Explain in detail the norms for space as defined in the National Building Code.
- Q9 Explain how the local technologies can be upgraded to make the buildings cost effective.

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