

Roll No.

--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 02

Total No. of Questions : 09

**B.Architecture (2012 & Onwards) (Sem.-9)****BUILDING ECONOMICS - I****Subject Code : BACH-904****M.Code : 74098****Time : 3 Hrs.****Max. Marks : 60****INSTRUCTIONS TO CANDIDATES :**

1. Attempt total of FIVE questions in all including question no. 1 which is compulsory.
2. Attempt ANY TWO questions from UNIT-I and ANY TWO questions from UNIT-II.
3. Assume the missing data if any and mention it along answer.

**1. Write short notes on the following :**

- a) What is the role of project scheduling in cost reduction of a project?
- b) What is the relationship between demand and supply?
- c) What do you mean by pre-Engineered Building?
- d) Enlist the different types of cost in building construction.
- e) What do you mean by Operational cost of building? (2×5=10)

**UNIT-I**

2. What is the role of studying building economics for architects? How demand and supply affect the building industry? Explain in detail. (12.5)
3. What are the basic principles of building economics? Discuss its importance in context of high rise building. (12.5)
4. Write short notes on following :
  - a) Need of cost management in high rise structure (6)
  - b) Maintenance cost of building (6.5)
5. What are the basic principles of cost management in building construction? Discuss it briefly with the help of flow chart in context of Low rise building. (12.5)

## UNIT-II

6. What do you mean by Economical building? How do design and construction strategies help in reducing the cost of a building? Explain in detail. (12.5)
7. Explain in detail the role of Pre-Engineered building and standardization in reduction of cost of the building. (12.5)
8. What is the basic principles for defining activity space? Explain the role and importance of space norms for cost reduction in a large project. (12.5)
9. Write short notes on followings with neat sketches :
  - a) Modular construction (6)
  - b) Role of material in innovative design (6.5)

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**