

No. of Printed Pages : 03

Roll No. ....

**H-4006**

**B. Arch. EXAMINATION, Dec. 2018**

(Ninth Semester)

(B. Scheme) (Main & Re-appear)

(ARCH.)

AR515B

**COST EFFECTIVE ARCHITECTURE-IX**

*Time : 3 Hours]*

*[Maximum Marks : 75*

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Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

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**Note :** Attempt *Five* questions in all, selecting at least *one* question from each Unit. Make relevant sketches wherever necessary. Neatness carries due weightage. All questions carry equal marks.

(2-03/10) M-H-4006

**P.T.O.**

### **Unit I**

1. Define and give overview of cost-effective buildings in rural sector. Support your answer with relevant examples.
2. State the relevance of cost effective buildings in present scenario. Justify your answer with relevant examples.

### **Unit II**

3. Write short notes on the following :
  - (a) Spatial norms for cost-effective buildings
  - (b) Usage patterns.
4. State and explain the need and advantages of these strategies in present day context :
  - (a) Minimizing waste
  - (b) Recycling of materials.

### **Unit III**

5. (a) Explain how the use of indigenous materials can achieve the objectives of low-cost architecture.

- (b) State the difference between adaptation and innovation in case of cost-effective architecture.

6. Write short notes on the following :

- (a) Pre-fabrication
- (b) Modular-coordination
- (c) Standardization.

### **Unit IV**

7. State the evolution of cost-effective architecture movement in India. Explain in detail the highlights of the movement.
8. Explain the role of these R & D organisations in promoting cost-effect practices :
  - (a) CBRI
  - (b) Development Alternatives.