

01702

**B.Tech. Civil (Construction Management)**

**Term-End Examination**

**December, 2010**

**ET-521(B) : BUILDING ARCHITECTURE**

*Time : 3 hours*

*Maximum Marks : 70*

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*Note : This question paper consists of two parts. Part A is compulsory. Attempt any three questions from Part B. All questions carry equal marks.*

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**PART - A**

1. Answer *any two* of the following : 2x5=10
- (a) How does an Architect and Engineer complement each other in the act of design of a building ?
  - (b) Explain the various 'elements of visual perception' that are applied to an Architectural Form.
  - (c) Discuss Relevance of a "Golden Section".
2. Answer *any two* of the following. 2x5=10
- (a) Explain how did the 'Industrial Revolution' become a major force in shaping of modern Architecture ?
  - (b) Describe the construction system adopted by the ancient Greeks in their buildings.
  - (c) Name the major building types in Buddhist architecture and discuss any one building in detail.

3. Answer *any two* of the following. **2x5=10**

- (a) Describe the main stages in the development of an Architectural Design.
- (b) Explain the significance of the role of Electrical Services system in Architectural Design.
- (c) Explain important points to be considered while designing house drainage system.

4. Write short notes on *any four* of the following.

**4x2½=10**

- (a) Pneumatic structures.
- (b) Deep foundations.
- (c) Egyptian temples.
- (d) The Post and Lintel system.
- (e) Doric columns.
- (f) Agora.

## **PART - B**

5. What are the 'duties and liabilities' of an Architect in the profession? 10
  6. What are 'building regulations' and how are they beneficial to the society? 10
  7. How do computers and information technology help the modern day Architect in profession? 10
  8. Describe different climatic zones of India along with their salient features. 10
  9. Describe in brief various fittings used in a building water supply system. 10
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