

00244

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

**Term-End Examination**

**June, 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. Maximum marks are shown against each question. Explain answers with the help of neat sketches.*

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**PART - A**

1. Answer any two of the following : 2x5=10

- (a) Discuss the role of Architect and Civil Engineer in the design development of a building.
- (b) Discuss the relationship between Form and Function.
- (c) Explain the importance of 'material' in an architectural built form.

2. Answer any two of the following : 2x5=10
- (a) Describe the construction systems adopted by the ancient Romans in their buildings.
  - (b) What is the role of steel in shaping the modern Architecture of 19<sup>th</sup> and 20<sup>th</sup> century ?
  - (c) Name the major buildings of Ancient Egyptian Architecture. Discuss in detail any one of the buildings.
3. Answer any two of the following : 2x5=10
- (a) How is Anthropometry an important concern for Architectural design ?
  - (b) Identify various elements of design ? Explain their utility.
  - (c) Describe the 'climate modulating devices' in a building.
4. Write short notes on any four of the following : 4x2½=10
- (a) Ionic columns
  - (b) Framed structures
  - (c) Bonds in brickwork
  - (d) Cavity walls
  - (e) Arch and Vault system
  - (f) Mastabas

## PART-B

5. What is the code of Professional conduct for an architect ? 10
  6. Describe in brief various fittings used in a building water supply system. 10
  7. Explain the salient features of the Sun Temple at Konark. 10
  8. Describe in brief the different types of tender. 10
  9. How are both 'art' and 'science' essentially involved in the subject of Architecture ? 10
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