

**B.Tech. Civil (Construction Management)**  
**Term-End Examination**

**June, 2017**

00945

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

*Time : 3 hours*

*Maximum Marks : 70*

**Note :** *This question paper consists of two parts. Attempt any **two** questions from Part A and any **three** questions from Part B. Each question carries equal marks.*

**PART A**

1. Describe the system of construction for both Greeks and Romans. 14
  
2. (a) What are the various climatic zones of India? 7  
(b) List the climatic modulation devices in buildings and describe them. 7
  
3. What is the departure in the system of construction after the arrival of Islamic rule in India? Illustrate the same with example. 14

## PART B

4. (a) What is the relationship of human body dimensions to building elements ? Illustrate the same with 'Golden Section'. 7
- (b) Enumerate the different stages in the design development for a project and list out the participation of consultants at the respective stages. 7
5. Explain the importance of building regulations and outline the procedure of various stages of construction of a high rise residential building. 14
6. Name some of the floor construction methods in buildings and spell out the most commonly used flooring materials for public buildings and residential buildings. 14
7. (a) Differentiate between a cavity and a partition wall.
- (b) Enumerate the types of brick bonding.
- (c) What are the different types of plasters ?
- (d) Define
- (i) Distemper
  - (ii) Varnish
  - (iii) Emulsion paint
  - (iv) Synthetic paint
- $4 \times 3 \frac{1}{2} = 14$

8. (a) Differentiate between raft and pile foundation. 7
- (b) Name the types of structure systems and explain space frame in detail. 7
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