

B.Tech. Civil (Construction Management)

Term-End Examination

December, 2013

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). Draw sketches wherever necessary.

PART - A

1. (a) Explain briefly with sketches 'Principles of design' in architecture. 2x7=14
(b) 'Art and science are two faces of design'. Justify it with examples.
2. (a) What are the various climatic zones of India ?
(b) List the climatic modulation devices in buildings. Describe them briefly. 2x7=14
3. Write short notes on the following : - (Any four)
 - (a) Mastabas 4x3½ = 14
 - (b) Aquaduct
 - (c) Garbhagriha
 - (d) Post and lintel
 - (e) Sapce frame
 - (f) Septic tank
 - (g) Anthropometry

PART - B

4. List the different materials used for doors and windows. Name the important parts of a door and mark them on a scaled sketch. 14
5. Describe with sketches 'Greek Orders' related to architecture. 14
6. What are important points to be considered in a house drainage system ? Explain them with sketches. 14
7. (a) Explain the role of an architect in a building project. 2x7=14
(b) Explain the duties and liabilities of an architect.
8. What is meant by built environment ? How is it created ? Name a few examples of different built environment. 14
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