

B.Tech. Civil (Construction Management)

Term-End Examination

June, 2011

ET-521(B) : BUILDING ARCHITECTURE

Time : 3 hours

Maximum Marks : 70

Note : This question paper consists of two parts. Attempt any two from Part A and any three questions from Part B. Explain answers with the help of neat sketches. The answer shall be in your own language.

PART - A

1. (a) Discuss with relevant illustrations, the role of science and technology in architecture.
(b) Explain the psychological dimension of space. 2x7=14
2. (a) Enumerate various fitments used in a residential building for water supply.
(b) Explain the basic principle of airconditioning along with different types of airconditioning systems available for use. 2x7=14
3. Write short notes on *any four* of the following :
 - (a) Brick Bonding 4x3½=14
 - (b) Pyramids
 - (c) Pile Foundation
 - (d) RCC Floors
 - (e) Agora

PART-B

4. Explain the importance of "Building Regulations." Also discuss the regulatory procedures followed during the construction of a building. **14**

 5. Discuss "FORM FOLLOWS FUNCTION" for a built environment. **14**

 6. What do you understand by the term "structural system" ? Explain with relevant examples. **14**

 7. Illustrate the main characteristic features of Byzantine architecture as seen in Santa Sophia. **14**

 8. Why is energy conservation important in a building ? Explain **14**
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