

B.Tech. Civil (Construction Management)

Term-End Examination

June, 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, 'Elements of Design' in Architecture. **2x7=14**
(b) How and why is the knowledge of art essential in Architecture ?
2. (a) Why is energy conservation important in a building ? **2x7=14**
(b) Classify climatic parameters in relation to building design and describe them briefly.
3. Write short notes on the following (*any four*)
(a) Pre Historic Megaliths **4x3½ = 14**
(b) Pantheon
(c) Chaityas and Viharas
(d) Arch and Vault
(e) Truss
(f) Gully Trap
(g) Golden Section

PART - B

4. What are the different types of wall Masonry ? 14
Elaborate on any one type with appropriate sketches.
 5. Briefly describe Buddhist Architecture in India. 14
Elaborate with sketches any two Buddhist buildings in India.
 6. Various building services are required for the 14
proper functioning of a building. Classify these building services and elaborate with sketches any one of these.
 7. How does computers help in Architectural 14
profession ?
 8. Explain the process of design in designing a 14
residential building.
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