

B.Tech. Civil (Construction Management)

Term-End Examination

June, 2015

00681

ET-521(B) : BUILDING ARCHITECTURE

Time : 3 hours

Maximum Marks : 70

Note: *The 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.*

PART A

1. (a) What is the role of science and technology in architecture ?
(b) Name the major building types in Buddhist architecture and discuss any one building in detail. $2 \times 7 = 14$

2. (a) What is the difference between concept drawing and working drawing ?
(b) What are the basic characteristic features of Romanesque style ? $2 \times 7 = 14$

3. Write short notes on any *four* of the following :

$$4 \times 3 \frac{1}{2} = 14$$

- (a) Baroque Architecture
- (b) Temples of Mahabalipuram
- (c) Golden Section
- (d) Septic Tank
- (e) Partition Wall

PART B

4. (a) Explain the duties and liabilities of an architect. 7
- (b) Explain the importance of building regulations. 7
5. What is a structural system ? Explain the various structural systems with the help of sketches. 14
6. (a) What are the climate modulating devices in buildings ? 7
- (b) What are the two types of dimensions associated with the human body ? Explain with the help of sketches. 7
7. (a) Explain in detail about flooring materials. 7
- (b) Explain deep foundations in detail, with sketches. 7
8. Discuss the characteristic features of Renaissance architectural style, with suitable examples. 14
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