

00532

**B.Tech. Civil (Construction Management)**

**Term-End Examination**

**June, 2019**

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

*Time : 3 hours*

*Maximum Marks : 70*

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**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.*

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**PART - A**

1. (a) With reference to the role and responsibilities, discuss the difference between an architect and an engineer. 7+7
- (b) Describe the role of technology in architecture.
2. (a) Describe visual properties of an architectural form. 7+7
- (b) What was the system of construction in Egyptian architecture ? Name the major building types of Egyptian architecture.

3. (a) Name the major building types in Buddhist architecture and discuss any one building in detail. 7+7  
(b) Describe the following :  
(i) Components of a-space.  
(ii) Evolution of aesthetic visual proportions from human dimensions.

### PART - B

4. Describe characteristics of various climatic zones of India. Mention some major cities that lie in each zone. 14
5. Describe in brief, different type of surface finishes and describe the execution of any one in detail. 14
6. (a) What do you understand by building regulations ? Explain their importance. 7+7  
(b) Discuss the role of computer in architect's work and discuss any one of the software application with its features.
7. (a) Describe the changes in system of construction after the arrival of Islamic rule in India. 7+7  
(b) Why is energy conservation features important in buildings.
8. Write short notes on any four of the following :  
(a) Raft Foundation 4x3½=14  
(b) Partition walls  
(c) Septic tank  
(d) Cavity walls  
(e) Prehistoric shelters  
(f) Parthenon