

B.Tech. Civil (Construction Management)

Term-End Examination

00061

December, 2015

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. Explain the answers with the help of neat sketches.*

PART A

1. (a) How are form and function related to each other? 7
- (b) What are the methods to achieve energy conservation in a building? 7
2. (a) Explain the different visual elements of design. 7
- (b) Explain with labelled sketches, the different parts of a door and a window. 7

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

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

- (a) Emulsion Paints
- (b) Basalica
- (c) Air Humidity
- (d) Space Frame
- (e) Gully Trap

PART B

4. (a) What are the different types of tenders ?
Explain in detail. 7
- (b) What is the relationship between human
body dimensions and building dimensions ? 7
5. (a) What is meant by air-conditioning ? 4
- (b) What are the different types of
air-conditioning systems ? Explain with
sketches. 10
6. Write short notes on the following : $4 \times 3 \frac{1}{2} = 14$
- (a) Joystick
- (b) Light Pens
- (c) Inkjet Printers
- (d) Plotting
7. Discuss the characteristic features of modern
architectural style with suitable examples. 14
8. (a) Discuss the main determining factors for
the classification of the climatic zones in
India. 7
- (b) Explain in detail the different types of wall
masonry with sketches. 7
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