

T 8079

B.E./B.Tech DEGREE EXAMINATION, NOVEMBER/DECEMBER 2006.

Second Semester

Civil Engineering

CE 1151 — PRINCIPLES OF ARCHITECTURE

(Regulation 2004)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define aesthetics.
2. Define construction and erection.
3. Give two examples for Dominance and Contrast.
4. What are the aspects to be considered in the circulation design for hospitals?
5. What is meant by Modular?
6. State the need for building byelaws.
7. Name any four works of B.V. Doshi.
8. State the design Philosophies of Louis Kahn.
9. Define Harmony.
10. Differentiate style and character in buildings.

PART B — (5 × 16 = 80 marks)

11. (a) Discuss in detail the design philosophies of Mies Van Der Rohe with two examples. Illustrate with sketches wherever necessary.

Or

- (b) Critically review the works of Charles Correa with reference to the tradition of Indian Subcontinent.

12. (a) How do the parameters of climate influence design of buildings? Discuss the principles adopted in design for various climatic factors.

Or

- (b) Discuss the salient features in the principles of site planning with neat sketches.

13. (a) Describe the following with clear examples :

(i) Dominance (8)

(ii) Punctuation. (8)

Or

- (b) Explain the characteristics of traditional Buddhist architecture in India.

14. (a) Define scale and what are the different types of scale. What is its impact on built form? Illustrate through examples.

Or

- (b) Write short notes on :

(i) Symmetry and its types. (8)

(ii) Balance. (8)

15. (a) Write short notes on :

(i) Creation and Execution (8)

(ii) Planning. (8)

Or

- (b) Explain the basic elements of architecture with necessary sketches.