

C 3102

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2007.

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. What are the various factors that influence the architecture of a place?
2. What is the need to integrate aesthetics and function in buildings?
3. Define Proportion.
4. What is anthropometrics? What is its importance in Built form?
5. What is radial symmetry and bilateral symmetry?
6. List any four aspects of climate that affect the design of buildings.
7. State the various elements of circulation.
8. Define Balance and give 2 examples.
9. Define modern architecture.
10. List any four design principles of Louis Kahn.

PART B — (5 × 16 = 80 marks)

11. (a) State the 5 points on Architecture by Corbusier. Explain those principles with reference to Villa Savoye.

Or

- (b) Form Follows Site — Justify the given maxim through any one work of F.L. Wright.

12. (a) Write short notes on the following :
- (i) Regulations for fire safety in Industries (8)
 - (ii) Building set backs. (8)

Or

- (b) Elaborate the different components of circulation through suitable examples.
13. (a) Write short notes on the following aesthetic components of design
- (i) Harmony (8)
 - (ii) Climax (8)

Or

- (b) What is the meaning of style in architecture? Discuss any one style of modern architecture.
14. (a) Discuss the role of proportion as an important aesthetic quality in buildings. Explain the types of proportioning systems in architecture.

Or

- (b) Write short notes on :
- (i) Unity (8)
 - (ii) Rhythm. (8)
15. (a) Explain the basic principles of Architecture with examples.

Or

- (b) Explain the various stages involved in the design of buildings.