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Question Paper Code : 37013

B.Arch. DEGREE EXAMINATION, JANUARY 2014.

First Semester

AR 6102 – THEORY OF ARCHITECTURE I

(Regulation 2013)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are the basic human needs?
2. What is the Principle of Similarity according to Gestalt?
3. Define a Plane.
4. How can you make a small room look bigger with Colours?
5. Write about the perceptual effect of a concave surface.
6. List three qualities of a cube.
7. What do you understand by the term "hierarchy of spaces"?
8. Enumerate the merits and demerits of grid organisation.
9. Differentiate between proportion and scale.
10. Define Rhythm. And Give examples

PART B — (5 × 16 = 80 marks)

11. (a) Discuss in detail about Architecture as a discipline with respect to functional, aesthetic and psychological needs of humans.

Or

- (b) Analyse the different aspects of architectural form and its impact on perception through examples.

12. (a) Explain in detail the fundamental elements of architecture.

Or

- (b) Using building examples establish how the elements of architecture such as texture, light and colour have an effect on the experience of Architectural form and space.
13. (a) Elaborate on the perceptual effects of a sphere and a pyramid with examples.

Or

- (b) Compare and contrast the perceptual effects of a cylinder and a cone with examples.
14. (a) Analyse a contemporary architect's works in terms of spatial experience. Explain with building examples and sketches.

Or

- (b) Discuss briefly about the following Spatial organisations in architecture giving examples,
(i) linear (ii) Radial (iii) Centralised (iv) Clustered.
15. (a) Explain in detail about the different forms of circulation and its relationship with Built and Open spaces with examples.

Or

- (b) Give sketches of building examples and explain briefly about the following principles of architecture,
(i) Harmony (ii) Climax (iii) Axis (iv) Asymmetry and Balance.
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