

Third Semester Diploma Examination in Architecture - March, 2012

PRINCIPLES OF DESIGN

[Maximum Marks : 100]

[Time : 3 Hours]

**PART – A**

[Maximum Marks : 10]

- I. Answer the following questions in one or two sentences: Marks
1. What is meant by Abstract ornament?
  2. Define form.
  3. What is meant by contemporary movement?
  4. What is optical illusion?
  5. Write two features of buildings constructed in irregular contour. (5 x 2 = 10)

**PART – B**

[Maximum Marks : 30]

- II. Answer any five full questions.
1. List out the phases through which art and architecture go through in the course of their development. Write the features of each period.
  2. What is order of architecture? Draw elevation of Greek Doric order.
  3. What is meant by contrast of treatment? Explain.
  4. Differentiate between symmetrical and occult balance. Give sketches for each.
  5. What is meant by binocular vision? Explain.
  6. Explain factors to be considered while designing a building.
  7. Explain how climate influenced the development of decorative elements. (5 x 6 = 30)

**PART – C**

[Maximum Marks : 60]

[Answer one full question from each unit]

UNIT – I

- III. a. Explain the features of structural elements in Gothic period. (7)  
b. Explain characteristics of historic styles. (8)

OR

- IV. a. List out primary element of design. (2)  
b. Explain with sketches line and plane in architecture. (10)  
c. Explain three properties of form. (3)

UNIT – II

- V. a. Explain with sketches.  
i) Axis                      ii) Symmetry                      iii) Heirarchy (3 x 5 = 15)

OR

- VI. Explain with sketches PROPORTION, SCALE and RHYTHM (3 X 5 = 15)

UNIT – III

- VII. a. Explain principles of visual perception. (10)  
b. Explain law of proximity with sketches. (5)

OR

- VIII. Explain : i) Aerial effect in visual perception  
ii) Figure – ground relationship      iii) Law of closure (3 x 5 = 15)

UNIT – IV

- IX. Explain the process of architectural design. (15)

OR

- X. Explain with sketches, effect of climate on :  
i) Plan      ii) Circulatory element      iii) Protective element (3 x 5 = 15)