

S3 ARC

TED (10) – 3024

Reg. No.

(REVISION —2010)

Signature

THIRD SEMESTER DIPLOMA EXAMINATION IN ARCHITECTURE —
MARCH, 2015

PRINCIPLES OF DESIGN

[Time : 3 hours

(Maximum marks : 100)

Marks

PART—A

(Maximum marks : 10)

I Answer the following questions in one or two sentences. Each question carries 2 marks.

1. What is vault ?
2. What is tangible material ?
3. Define axis.
4. What is visual perception ?
5. What is meant by conception of idea ?

(5x2=10)

PART—B

(Maximum marks : 30)

II Answer *any five* of the following questions. Each question carries 6 marks.

1. Classify the phases through which architecture went during its course of development.
2. Explain the design element-plane.
3. Explain contrast of tone.
4. What is character of a building ?
5. What is color vision ?
6. Explain the influence of economy on contemporary architecture.
7. Explain the influence of transportation on the architecture of the 20th century.

(5x6=30)

PART—C

(Maximum marks : 60)

(Answer *one* full question from each unit. Each full question carries 15 marks.)

UNIT – I

- III (a) Classify historic styles based on whether they are structural and creative or decorative and imitative. 9
- (b) What is invisible structure ? Enumerate the elements of visible structure. 6

OR

- IV Explain the characteristics of architecture during various historic period. 15

UNIT – II

- V (a) What is balance ? Explain. 12
- (b) Define UNITY. 3

OR

- VI (a) Explain the principle repetition. 12
- (b) Define datum. 3

UNIT – III

- VII Explain the following with one example.

- (a) Ambiguous illusion
- (b) Distorting illusion
- (c) Paradox illusion (3×5=15)

OR

- VIII What is visual perception ? Explain the principles of visual perception. 15

UNIT – IV

- IX Explain the influence of climate on :

- (a) Plan (d) Decorative elements
- (b) Structural elements (e) Circulatory elements
- (c) Protective elements (5×3=15)

OR

- X (a) Explain the influence of man's needs on architecture. 12
- (b) What is contemporary movement in architecture ? 3