

Marks

TED (10)-3024

Reg. No.

8

(REVISION-2010)

Signature

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THIRD SEMESTER DIPLOMA EXAMINATION IN ARCHITECTURE—
MARCH, 2014

PRINCIPLES OF DESIGN

[Time : 3 hours

8

(Maximum marks : 100)

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PART—A

7

(Maximum marks : 10)

Marks

8

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

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1. Name any four architectural features related to Gothic period.

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2. Sketch four patterns in rhythmic style.

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3. What is unity in Architectural design ?

4. What are the qualities to be acquired by a student before approaching a design problem ?

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5. What is Muller-Lyer illusion ?

(5×2=10)

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PART—B

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(Maximum marks : 30)

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

1. What are structural elements? Explain any two structural elements of contemporary style.

2. Mention any six traditional features by which a building's character can be identified.

3. Illustrate the importance of scale in the functional use of Architectural space.

4. Describe the evolution of architectural features of churches of Greek and Christians with respect to man's interests.

5. Sketch any three compositions showing the relationship of figure and background.

6. Explain the elements of design-point and line.

7. Write short note on binocular vision.

(5×6=30)

PART—C

(Maximum marks : 60)

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

UNIT—I

- III (a) With the help of sketches illustrate the different three dimensional forms that can be evolved from a square plan. 9
- (b) What are the different options by which an octagonal plan can be roofed? 6

OR

- IV (a) What is meant by decorative element? 3
- (b) With the help of sketches give a brief description of mouldings. 3
- (c) Explain : 9
- (i) Abstract ornament (ii) Pictorial ornament (iii) Non pictorial ornament

UNIT—II

- V (a) Illustrate the importance of scale in the functional use of architectural spaces. 3
- (b) Explain 'Golden mean' with the help of sketches. 3
- (c) Explain the principle 'proportion' based on the classical orders of architecture. 9

OR

- VI (a) Describe symmetrical and unsymmetrical balance. 9
- (b) Illustrate the importance of scale in the functional use of architectural spaces. 6

UNIT—III

- VII Explain Gestalt laws of grouping. 15

OR

- VIII Describe the aerial effects of perception in art and architecture. 15

UNIT—IV

- IX Explain the steps of Architectural design process. 15

OR

- X What are the points to be considered while preparing a presentation drawing? 15