

TED (10)-3024

(REVISION-2010)

Reg. No.

Signature

THIRD SEMESTER DIPLOMA EXAMINATION IN ARCHITECTURE

OCTOBER, 2011

PRINCIPLES OF DESIGN

[Time : 3 hours

(Maximum marks : 100)

Marks

PART—A

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

1. What is meant by represented plan ?
2. What is trabeated style of architecture ?
3. Draw an elevation of a building exemplifying symmetrical balance.
4. List out different types of figure-ground relationships.
5. Write an example for the effect of topography on the development of architecture.

(5x2=10)

PART—B

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

1. What is meant by visible structure ? List out elements of visible structure. Explain in detail-wall.
2. Write any six properties of form.
3. What is meant by DATUM ? Explain with sketches.
4. What is proportion ? Explain it with an example from classical period.
5. Explain law of proximity with sketches.
6. Explain the effect of material on development of architecture.
7. What is meant by conception of idea in architectural design ?

(5x6=30)

PART—C

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

UNIT - I

- III (a) Explain the process "growth of volume". 7
- (b) Explain nature of plan. 8

OR

- | | Marks |
|--|---------|
| IV (a) What is meant by Ornament ? | 1 |
| (b) Write short notes on following : | |
| (i) Abstract ornament | |
| (ii) Pictorial ornament | |
| (iii) Non-pictorial ornament. | (3x2=6) |
| (c) Explain features of Gothic and Greek ornament. | 8 |

UNIT – II

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| V (a) Explain the following principles in detail with sketches : | |
| (i) Repetition (ii) Hierarchy (iii) Transformation. | (3x3=9) |
| (b) Explain 'Character'. | 6 |

OR

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| VI (a) Explain with examples and sketches, Contrast. | 12 |
| (b) What is meant by SCALE ? | 3 |

UNIT – III

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| VII (a) Explain principles of perception. | 10 |
| (b) Explain law of similarity. | 5 |

OR

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| VIII (a) Explain the effect of binocular vision on visual perception. | 5 |
| (b) Explain law of closure in visual perception. | 5 |
| (c) Explain arial view and the effect of air on visual perception. | 5 |

UNIT – IV

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| IX Explain how man's interests and his personality influenced the development of houses over the period of history. | 15 |
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OR

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| X Explain the effect of climate on the following : | |
| (i) Plan | |
| (ii) Structural element | |
| (iii) Protective element | |
| (iv) Decorative element | |
| (v) Circulatory element. | 15 |