

FIFTH SEMESTER DIPLOMA EXAMINATION IN CIVIL ENGINEERING

AND QSCM—OCTOBER, 2014

HABITAT TECHNOLOGY

[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 two marks.

1. Define climatology.
2. Distinguish between macro climate and micro climate.
3. What is meant by proportion ?
4. Distinguish between unity and variety.
5. Define earthquake.

(5×2=10)

PART—B

(Maximum marks : 30)

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

1. What are the factors causing urban climate ?
2. Explain the concept of sustainable development.
3. Explain the two major aspects about the space quality and quantity.
4. Write any three classifications of colors.
5. Explain the features of Japanese garden.
6. What are the factors that affect the selection of floor finish ?
7. What are the causes of earthquake ?

(5×6=30)

PART—C

(Maximum marks : 60)

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

UNIT—I

- | | |
|---|---|
| III (a) Explain thermal balance of earth with sketch. | 7 |
| (b) Explain the role of any two agencies that provide assistance for sustainable development. | 8 |

OR

- | | Marks |
|---|-------|
| IV (a) Explain the elements of sustainable agriculture. | 7 |
| (b) What are the factors affecting site climate ? | 8 |

UNIT—II

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|--|---|
| V (a) Explain any two decorative materials each used for walls, floors and ceilings. | 7 |
| (b) What are the elements of aesthetic ? | 8 |

OR

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|---|---|
| VI (a) Explain psychological impact of any four colors. | 7 |
| (b) Explain the wall lining with the help of a sketch. | 8 |

UNIT—III

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|---|---|
| VII (a) What are the aesthetic components of landscape design ? | 7 |
| (b) What are the design concepts of Mughal gardens ? | 8 |

OR

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| VIII (a) Discuss the natural element for garden. | 8 |
| (b) Discuss the features of French garden. | 7 |

UNIT—IV

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| IX (a) What are the objectives of zoning ? | 7 |
| (b) What are the three general guidelines for planning of Earthquake resistant buildings ? | 8 |

OR

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|---|---------|
| X (a) Write any four advantages of zoning. | 7 |
| (b) Write short notes on : | |
| (i) Seismic waves (ii) Seismic zones in India. | (2×4=8) |