

GUJARAT TECHNOLOGICAL UNIVERSITY
DIPLOMA ENGINEERING – SEMESTER – IV • EXAMINATION – SUMMER -2017

Subject Code: 3346206**Date: 05/05 /2017****Subject Name: EKISTICS****Time: 10:30 AM TO 12:30 PM****Total Marks: 50****Instructions:**

1. Write your seat number and enrolment number in the space provided on the question Paper.
2. Use of programmable and communication aids are strictly prohibited.
3. Figures to the right indicate full marks.
4. This question paper contains FIVE questions. Attempt all.
5. Student is not allowed to leave the examination hall during first and last thirty minutes.

- Q.1** Answer the following questions. (Any FIVE) **10**
- 1 Define the term Ekistics
 - 2 Different parts of human settlements
 - 3 Name five elements of ekistics
 - 4 Name four basic groups of ekistics
 - 5 Define Metropolis with example.
 - 6 What is conurbation?
 - 7 What is dispersed settlement?
 - 8 Define the term hamlet.
 - 9 Explain the term networks in ekistics
 - 10 What is Ecumenopolis?
- Q.2** (a) How to analyze and define quality of cities. Where quality is not high? **02**
OR
(a) Explain 'Logarithmic scale' with sketches.
- (b) Explain human settlements represented by a particular ekistics element. **03**
OR
(b) Classify the settlements based on shape and size with sketches.
- (c) Ekistics as C. A. Doxiadies theory of human settlements? **05**
OR
(c) Explain in detail Urban settlements and Rural settlements
- Q.3** (a) Explain the optimum speed of growth in a city **02**
OR
(a) Explain the failure to respond the progress of city
- (b) Explain human settlements as an organism or cell. **03**
OR
(b) Explain influence of architect in making spaces for human settlement
- (c) Discuss four basic groups of ekistics **05**
OR

- (c) Discuss five elements of ekistics.
- Q.4** (a) Explain relationship of man with society **02**
 OR
 (a) Classification of human settlements
- (b) Discuss analysis of need of planning in ekistics **03**
 OR
 (b) Dynamic growth of a city. Explain with example
- (c) Role of site situation for expansion of urban settlement. Explain with hierarchy of settlements. **05**
- Q.5** (a) Explain the design of Bagdad city based on ekistics **05**
 (b) Explain the design of Islamabad city based on ekistics **05**
