

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**DIPLOMA ENGINEERING – SEMESTER – IV • EXAMINATION – SUMMER- 2016**

**Subject Code: 3346206****Date: 09-06-2016****Subject Name: Ekistics****Time: 10:30 AM TO 12:30 PM****Total Marks: 50****Instructions:**

1. Attempt Any five questions.
2. Make Suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Use of programmable & Communication aids are strictly prohibited.
5. Use of only simple calculator is permitted in Mathematics.
6. English version is authentic.

- Q.1** (a) Explain, with neat sketches and diagrams - Design detail and thought behind design of Islamabad City Capital by Doxiadis, based on concept of Ekistics. **10**
- Q.2** (a) Classify the settlements based on shapes, with sketches. **05**
- (b) Differentiate between Rural settlement and urban Settlement. **05**
- Q.3** (a) Explain in detail about the Logarithm Scale of Ekistics, through appropriate sketches and diagrams. **10**
- Q. 4** (a) Enlist the elements of Ekistics. Explain each in Detail with sketches. Also Explain various combinations of the elements. **10**
- Q. 5** (a) Explain the problems of Urbanization in India **05**
- (b) Explain different house types in India. **05**
- Q. 6** (a) Explain four basic groups of Ekistics. **05**
- (b) What are the causes of crises in the development of the town? **05**
- Q. 7** (a) Define Ekistics. Why do we study this discipline in architecture? **05**
- (b) Explain the principles of Doxiadis. **05**

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