

GUJARAT TECHNOLOGICAL UNIVERSITY
D.ARCH. - SEMESTER- IV • EXAMINATION –WINTER 2015

Subject Code: 3346205**Date: 07/12/ 2015****Subject Name : Theory Of Architecture****Time: 02:30 PM TO 04:30 PM****Total Marks: 50****Instructions:**

1. Attempt Any 5 questions.
2. Draw sketches wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Define “ Personal Space”theory. Explain it with Sketches. **05**
 (b) Discuss “ Figure- Ground Theory” to explain positive and negative spaces. **05**
- Q.2** Fill in the blanks. (Any 10) **10**
- 1) The study of shape , structure and form is called _____.
 - 2) The aesthetic theory proposed by German philosopher, _____, held the faculty of _____ in high esteem.
 - 3) The study of Space, presented by Rudolph Carnap is important as it makes a distinction between _____, _____ and _____ space.
 - 4) The _____, lead to the idea that the “ Whole is greater than the Sum of its Parts.”
 - 5) Robert Summer is well known for his book on _____.
 - 6) _____ is now a days also expressed in the Cartesian co-ordinate system.
 - 7) The essential difference between the _____ and the _____ is the nature of the parallel.
 - 8) The theory of _____ is proposed from Pierce’s sign theory.
 - 9) Non-Euclidean geometry is synonymous with _____ and _____ geometries.
 - 10) The theory of Semiotics is important to understand _____ Architecture.
 - 11) Pierce’s sign theory relies on the _____, _____ and the interpretation.
 - 12) _____ was an important Italian Architectural historian of the 20th century.
 - 13) Two key beliefs of the modern era were, _____ and _____.
- Q.3** (a) Explain Geodesic geometry with the help of sketches. **05**
 (b) Explain the role of behavioral science in the designing of an environment. Give relevant example. **05**
- Q.4** (a) Explain any two types of organizations with sketches. **05**
 (b) Explain any two key architectural styles of modern-postmodern era. **05**
- Q.5** Define “Morphology”. Explain biomorphic architecture with examples. **10**
- Q.6** What are the common beliefs of Modern Architecture. Describe the work of any one modern architect. **10**
- OR**
- Q.6** What do you understand by the term “ Space”? ”. How is space experienced? **10**
 Comment on Rudolph Carnap’s distinction between Formal, Physical, Perceptual and Cognitive spaces.