

GUJARAT TECHNOLOGICAL UNIVERSITY
D.ARCH -II- SEMESTER -IV- • EXAMINATION – SUMMER-2017

Subject Code: 3346205**Date: 09/11 /2017****Subject Name: Theory of Architecture****Time: 02:30 PM TO 04:30 PM****Total Marks: 50****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** Write short notes on the following: (Any 2) **10**
1. “Personal Space” Theory.
 2. Role of behavioral science to the design of an environment with example.
 3. Geodesic geometry with the help of sketches.
- Q.2** Answer the following.(Any 2) **10**
1. What are the common beliefs of modern architecture. Describe the work of any one modern architect.
 2. Explain any three key architectural styles of modern era and three of post-modern era.
 3. What are the factors that led to Post-modernism? Elaborate on any one post-modern architect.
- Q.3** Answer in one word or one line. (Any 10) **10**
1. Define Morphology.
 2. State the importance of The theory of Semiotics.
 3. What were the Two key beliefs of the modern era ?
 4. What is Manfredo Tafuri known for ?
 5. The aesthetic theory proposed by German philosopher, _____, held the faculty of Reason in high esteem.
 6. The theory of _____ is proposed from Pierce’s sign Theory.
 7. The theory of Semiotics is important to understand _____.
 8. The _____, lead to the idea that the ‘Whole is greater than the Sum of its parts.’
 9. _____ is nowadays also expressed in the Cartesian co-ordinate system.
 10. _____ in his book titled ‘The Theory of Architecture’ facilitates discussions that probe the conceptual and philosophical difficulties of different architectural theories.
 11. The essential difference between the Euclidean metric geometry and non-Euclidean geometry is the nature of the _____.
- Q.4 (a)** What do you understand by the term “Space”. How is space experienced? Comment on Rudolph Carnap’s distinction between Formal, Physical, Perceptual and Cognitive spaces. **05**
- (b)** Explain any three types of organizations with sketches. **05**

Q.5

Answer any two:

10

1. Explain any three types of organizations with sketches.
2. What does the term Morphology mean? Explain biomorphic architecture with example.
3. Explain the elements of Euclidean Space? How is Euclidean geometry expressed in the Cartesian Co-ordinate system.
4. Explain the values that Kantian discussed to evaluate beauty.
