

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

Subject Code: 3346205**Date: 07/06/2016****Subject Name: Theory of Architecture****Time: 10:30 PM to 12:30 PM****Total Marks: 50****Instructions:**

1. Attempt all 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 Fill in the Blanks(Any 10) **10**

1. The study of shape, structure and form is called _____.
2. The _____ theory proposed by German philosopher, Immanuel Kant, held the faculty of _____ in high esteem.
3. The study of Space, presented by _____ is important as it makes a distinction between _____, _____, and Formal space.
4. The ‘ _____ ’, lead to the idea that the ‘Whole is greater than the Sum of its parts.’
5. _____ is well- known for his book on Personal Space.
6. Euclidean geometry is nowadays also expressed in the _____.
7. The essential difference between the Euclidean metric geometry and non-Euclidean geometry is the nature of the _____.
8. The theory of _____ is proposed from Pierce’s sign Theory.
9. The theory of Semiotics is important to understand _____.
10. Pierce’s _____ theory relies on the signifying element, the object and the interpretation.
11. _____ was an important Italian architectural historian of the 20th century.
12. Manfredo Tafuri creates the understanding that architecture is not a _____ but a continuous struggle played out on critical, theoretical and ideological levels as well as through the multiple constraints placed on practice.
13. Paul- Alan Johnson in his book titled ‘ _____ ’ facilitates discussions that probe the conceptual and philosophical difficulties of different architectural theories.
14. Two key beliefs of the modern era were, ‘ _____ ’ and ‘Less is More’

Q.2 Answer any 3. **12**

- 1) What is ‘Personal Space’ theory? Elaborate with sketches.
- 2) Explain the role of behavioral science to the design of an environment with example.
- 3) Discuss figure-ground theory to explain positive and negative space.
- 4) Explain geodesic geometry with the help of sketches.

Q.3 Answer Any 2: **12**

1. Explain any three types of organizations with sketches.
2. What does the term Morphology mean? Explain biomorphic architecture with example.
3. Explain the values that Kantian discussed to evaluate beauty.

Q.4 Answer any 2: **16**

1. What are the common beliefs of modern architecture. Describe the work of any one modern architect.
 2. What are the factors that led to Post-modernism? Elaborate on any one post-modern architect.
 3. Explain any three key architectural styles of modern era and three of post-modern era
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