

PARUL UNIVERSITY
FACULTY OF ARCHITECTURE
B.Arch. / B.ID Winter 2017-18 Examination

Semester: 1**Subject Code: 01101106****Subject Name: Elements of Architecture-1****Date: 04/01/2018****Time: 10:00 am to 12:00 pm****Total Marks: 50**

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever required.
4. Draw suitable sketches wherever required.

Q.1 Explain vertical elements defining the space. (Add required sketches.) **(10)**

Q.2 Answer briefly (Any 5) **(20)**

a. Explain openings in space defining elements.

b. Differentiate the following with necessary sketches

- i. Grid form and linear form

c. Define the terms:

- i) Overhead plane ii) Elevated base plane

d. 'Architecture is mother of all arts' elaborate.

e. Explain the following:

- i) Rhythm ii) Repetition

f. Write a short note on the following:

- i) Interlocking spaces ii) Spaces linked by a common space

Q.3 Answer the following in brief: (Any 5) **(10)**

- a. Sketch any 02 types of organizations.
- b. What is surface articulation?
- c. Explain plane as a primary element of architecture.
- d. Define: Openings within plane.
- e. Explain transformation as a principle of architecture.
- f. Discuss any one primary elements of architecture with required sketches.

Q.4 Explain the following (Any 2) **(10)**

- a. Explain architectural systems, with neat sketches.
- b. Explain with required sketches the approach and entrance in terms of circulation as an element of architecture.
- c. What is linear and clustered organization? (explain with neat sketches)