

PARUL UNIVERSITY
FACULTY OF ARCHITECTURE
B.ARCH. Winter 2017-18 Examination

Semester: 4**Subject Code: 01101255****Subject Name: Architecture and Environment-IV****Date: 09/05/2018****Time: 02:00 pm to 04:00 pm****Total Marks: 50****Instructions:**

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

Q.1 Discuss energy pyramids with neat sketches. (10)

Q.2 Short notes: (Attempt any five out of six) (20)

1. Eco friendly architectural material
2. Life cycle analysis
3. Natural Environment
4. Green Architecture
5. Carbon Footprint
6. Ecosystem and its components

Q.3 Explain Briefly: (Attempt any five out of six) (10)

1. Environment
2. Eco-architecture
3. BEE
4. Food chain and Food web
5. CRISIL
6. IGBC

Q.4 Describe in Detail: (Attempt any two out of three) (10)

1. Energy efficiency in buildings
2. What are the different sections of rating and its point weightages in GRIHA rating?
3. Sustainable Architecture