

Seat No: _____

Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF ARCHITECTURE & PLANNING
B.Arch./ B.ID Winter 2018-19 Examination

Semester: 4

Subject Code: 01101255

Subject Name: Architecture & Environment IV

Date: 28/11/2018

Time: 02:00to 04:00pm

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** Discuss energy pyramids with neat sketches **(10)**
- Q.2** Short Notes: (Attempt any five out of six) **(20)**
1. Climate Change
 2. Energy flow in Ecosystem
 3. Ecosystem and its Components
 4. Life cycle Analysis
 5. Green Architecture
 6. Carbon Footprint
- Q.3** Explain Briefly: (Attempt any five out of six) **(10)**
1. CRISIL
 2. LEED
 3. MNRE
 4. BEE
 5. IGBC
 6. Food Chain & Food Web
- Q.4** Answer the following: **(10)**
- a) Energy Efficiency in Building.
 - b) What are the different sections of rating and its point weightages in GRIHA rating?
- OR
- Q.4** Answer the following:
- 1) Explain the aspects of Sustainable Architecture.
 - 2) Micro level benefits of ECBC.