

Seat No: _____

Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF ARCHITECTURE
B.Arch, Summer Examination, 2016-17

Semester: 4

Subject Code: 01101255

Subject Name: Architecture and Environment-IV

Date: 29/05/2017

Time: 02:00pm to 04:00pm

Total Marks: 50

Instructions:

1. Each section carries 25marks.
2. Q1 & Q2 are compulsory questions in each section.
3. Only one question has to be attempted out of Q3 and Q4.
4. Figures to the right indicate full marks.
5. Write section-A, section-B on separate answer sheets.

SECTION - A

- Q.1** What are the principles of Energy Conscious Designs? **(10)**
- Q.2** (a) Discuss energy pyramids with neat sketches. **(05)**
(b) Write a short note on: Natural Environment. **(05)**
- OR**
- (b) Write a short note on: Eco friendly architecture material. **(05)**
- Q.3** Write full form of the following. **(05)**
1) LEED 2) GRIHA 3) MNRE 4) IGBC 5) BEE.
- Q.4** Discuss energy flow in ecosystem. **(05)**

SECTION - B

- Q.1** What are the ECBC provisions for buildings? Discuss in detail. **(10)**
- Q.2** (a) What are the different sections of rating and its point weightages in GRIHA rating? **(05)**
(b) Write a short note on Carbon footprint. **(05)**
- OR**
- (b) Write short note on Climate change. **(05)**
- Q.3** Define the following terms. **(05)**
1) Ecology 2) Food chain 3) Food web 4) Carrying capacity 5) Ecosystem
- Q.4** What are the micro level benefits of ECBC? **(05)**