

Seat No.: _____

Enrolment No. _____

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

Subject Code: 3356204

Date: 02/06/2016

Subject Name: ENVIRONMENT SCIENCE AND ECOLOGY

Time: 02:30 PM to 04:30 PM

Total Marks: 50

Instructions:

1. Attempt any five 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** (a) Explain the effect of Insulation and Cavity. **05**
- (b) How size, positioning and control of opening effect ventilation? **05**
- Q.2** (a) Differentiate between Tropical Climate and Warm Humid climate. **05**
- (b) What are Micro Climate and Macro Climate? **05**
- Q.3** (a) Explain all the types of reflection, with neat sketches. **10**
- Q. 4** (a) Explain heat exchange process of building. **05**
- (b) Explain Warm Humid climate in detail, with suitable examples. **05**
- Q. 5** (a) Define any 5 **10**
1. Illumination
 2. heat
 3. Tilt axis of earth
 4. Climate graph
 5. Humidity
 6. Conduction
 7. Temperature
- Q6.** (a) Classify different types of Climate. Explain hot dry climate in detail with suitable examples. **10**
