

MANIPAL UNIVERSITY

FIRST/SECOND SEMESTER B. ARCH. DEGREE EXAMINATION - NOVEMBER 2017

SUBJECT: ARC-14-111/ARC 116 – PRINCIPLES OF ENVIRONMENTAL DESIGN/
ENVIRONMENTAL STUDIES
(2014/2010 SCHEME)

Friday, November 10, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 50

- ✍ Answer any FIVE questions from the following. Answer all parts of a question.
✍ Give sketches wherever necessary.

1. Define the term “Built Environment”. What are the components of built environment?
(4+6 = 10 marks)
- 2A. Explain on various factors considered while constructing Earth – sheltered building.
2B. Explain various types of Earth-sheltered building in detail with the help of neat sketches.
(4+6 = 10 marks)
3. Write a short note on:
 - 3A. Carbon footprint
 - 3B. Carrying capacity
 - 3C. Ecological footprint
 - 3D. Brundtland Commission Report(2½ marks × 4 = 10 marks)
4. Explain in detail different phases of disaster management.
(10 marks)
5. Describe any project of an Eco-sensitive architect highlighting the sustainability aspects considered in the design.
(10 marks)
6. Define the term “Biodiversity”. Explain the strategies followed to conserve biodiversity.
(4+6 = 10 marks)

