

Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER B. ARCH. DEGREE EXAMINATION – NOVEMBER 2019

SUBJECT: ARC-14-111 – PRINCIPLES OF ENVIRONMENTAL DESIGN
(2014 SCHEME)

Friday, November 15, 2019

Time: 10:00 – 13:00 Hrs.

Max. Marks: 50

- ✍ Answer any FIVE questions.
✍ Support the answers with sketches wherever necessary.

1. Define the term built environment. Highlight its major components.
(6+4 = 10 marks)
2. Define urbanization. Highlight its causes and impacts on environment.
(4+6 = 10 marks)
3. Define carbon footprint. What are its main causes?
(5+5 = 10 marks)
4. What is earth-sheltered buildings? What are the factors affecting such buildings?
(5+5 = 10 marks)
5. Explain briefly the retrofitting of buildings and architectural design considerations for buildings in disasters prone areas.
(5+5 = 10 marks)
6. Explain the measures taken to control water pollution from non-point sources.
(10 marks)

