

MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER B. ARCH. DEGREE EXAMINATION – JAN/FEB 2019

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

Saturday, February 09, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 50

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

1. Explain the term Disaster management with any 3 phases of disaster management
 - i) Disaster preparedness
 - ii) Disaster impact
 - iii) Disaster response
 - iv) Rehabilitation
 - v) Disaster mitigation

(4+6 = 10 marks)
2. What is a landfill? Illustrate and explain the various methods of landfill.

(4+6 = 10 marks)
3. What is solid waste management? What are the processes involved in it?

(5+5 = 10 marks)
4. What is carrying capacity? What are ways to assess carrying capacity?

(5+5 = 10 marks)
5. What is heat island effect? What are its mitigation strategies?

(5+5 = 10 marks)
6. Elaborate on the role of Architects in increasing biodiversity as custodians of the land.

(10 marks)

