

**BACHELOR OF ARCHITECTURE (B.Arch.)**

**Term-End Examination**

00113

**December, 2018**

**BARE-077 : GREEN ARCHITECTURE AND  
ENVIRONMENTAL PLANNING (ELECTIVE – 2)**

*Time : 3 hours*

*Maximum Marks : 70*

*Note : Question no. 1 is compulsory. Answer four questions from the remaining. Support your answers with examples and sketches.*

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1. Explain and differentiate any **two** of the following : 2×7=14
    - (a) Black Water Treatment and Grey Water Treatment
    - (b) Solarium and Trombe Wall
    - (c) Carbon cycle and Nitrogen cycle
  
  2. Define Ecosystem. Enlist its different types and explain any two in detail. 14

3. Elaborate in detail that available framework for resource management in India for consumption, conservation and recycling of resources. 14
  4. What is Environment Impact Assessment (EIA) ? Describe in detail the process and stages of EIA in India. 14
  5. Write a short essay on the need of public awareness for environmental protection. Also explain the role of IEC activities for public awareness. 14
  6. What do you understand by management of solid waste ? Describe all the stages from solid waste collection to its disposal. 14
  7. What do you understand by energy conservation ? Describe some contemporary materials and construction techniques for achieving energy efficiency. Support with examples. 14
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