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**BARE-077**

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

**Term-End Examination, 2019**

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

**Time : 3 Hours]**

**[Maximum Marks : 70**

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**Note : Attempt any five questions in all. Question No.1 is compulsory.**

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1. Describe and differentiate **any two** of the following :

[7×2=14]

- (a) Trombe wall and Cavity wall
- (b) Carbon cycle and Nitrogen cycle
- (c) Wetlands and Waste lands
- (d) IGBC and GRIHA

2. What do you understand by day lighting concepts in building design ? Explain in detail with sketches. [14]

3. Write a short essay on India's institutional and legislative frame work for environmental protection and conservation of natural resources. [14]
4. Explain in detail the role and need of public awareness and stakeholders participation in environment protection and conservation of resources. [14]
5. Describe ecological pyramid. Explain in detail and support your answer by neat sketches. [14]
6. What do you understand by an eco system ? Give a detailed account of the role of different eco systems in maintaining the equilibrium of biodiversity. [14]
7. What are the environmental and ecological considerations for planning of cities and design of building in coastal regions ? Support your answer in the context of Indian climate. [14]

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