



11/04/2016

**DOON UNIVERSITY, DEHRADUN**  
**Mid Semester Examination, First Semester, 2015**  
**School of Environment & Natural Resources**

**M. Tech. (Environment Technology) 2'Years**  
**Course: ETC- 560: Sustainable Urban Habitats and Green City**

*Time Allowed: 2Hours*

*Maximum Marks: 30*

*Note: Attempt All Questions from Sections A,B,C.*

**SECTION: A**

**Explain the following terms in 50-75 words. Attempt All Questions.**

*(Marks:6X1=6)*

1. Pillars of Sustainability
2. Resilience
3. Consumption
4. Urban Ecological Security
5. Terrestrial Urban Eco-Systems
6. GRIHA

**SECTION: B**

**Answer the following questions briefly, not exceeding 200 words. Attempt All Questions.**

*(Marks: 4X3=12)*

1. How can Sustainability be measured?
2. What are the scales of effect of urbanisation?
3. Explain the hydrology of a typical urbanised centre.
4. What are the 6 sections across which impact of construction is measured under GRIHA?

**SECTION: C**

**Attempt Any 1 Question in not more than 750 words.**

*(Marks: 12X1=12)*

1. How is Sustainable Development defined? Why is the definition beset by ambiguity and confusion? Explain the same giving relevant examples.

**OR**

2. What are the different kinds of possible urban spatial morphology? Illustrate your answer with relevant diagrams and examples.