

M.SC. PART-II (Environmental Science) (CBCS Pattern) Fourth Semester CBCS  
**Core Elective-4 PSCENVT15.4 / PSCENVT15 - Urban Forestry and Management**  
**Paper-XV**

P. Pages : 1

Time : Three Hours



**GUG/W/18/11381**

Max. Marks : 80

- Notes :
1. All questions are compulsory and carry equal marks.
  2. Illustrate the answers with suitable diagrams and examples.

1. Discuss in detail environmental problems in urbanizing world Add a note on cultural and recreation values of urban green space. **16**  

**OR**

  - a) What is contribution of urban forests in generating livelihoods for urban poor in India. **8**
  - b) Discuss Human dimensions of urban forests w.r.t. urban poverty and livelihood. **8**
2. Discuss in detail floral and faunal diversity in urban landscape. Add a note on significance of urban biodiversity in India. **16**  

**OR**

  - a) Write elaborative note on strategy for urban biodiversity planning. **8**
  - b) How Urban Biodiversity register (UBR) is prepared? **8**
3. Discuss technical aspects of tree maintenance w.r.t. nursery system and water management. **16**  

**OR**

  - a) Write informative note on stake holder's analysis. **8**
  - b) Discuss how post plantation care and cleaning is effective in tree maintenance. **8**
4. Discuss in detail political complexity of applying ecological science to urban policy and planning. **16**  

**OR**

  - a) What are essential features of smart cities? **8**
  - b) Write explanatory note on incentives and partnerships w.r.t. urban forestry. **8**
5.
  - a) Write concept of urban greens. **4x4**
  - b) Why biodiversity conservation and development is needed? **=16**
  - c) Write description of urban waterbody restoration.
  - d) How corporate houses can contribute in urban green space development?

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