

[This question paper contains 2 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 1767 L

Unique Paper Code : 2182013603

Name of the Paper : Urban Ecosystems

Name of the Course : **B.Sc. Hons. Environmental Sciences-Core (DSC-18)**

Semester : VI

Duration : 2 Hours. Maximum Marks : 60

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **four** questions out of the **six** provided.
3. **All** questions carry equal marks.

1. (a) Write short notes on the following : (2.5×6=15)
 - (i) Species adaptation
 - (iii) Urban Wetlands
 - (iv) Vermi Composting
 - (v) Air Quality Modelling
 - (vi) Hazardous Waste Management

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2. Discuss the following : (3×5=15)
 - (i) Urban Sprawl and its impacts
 - (ii) Urban Wildlife and Conservation
 - (iii) Land use regulations and Zoning
3. (a) Discuss the various Urban Environmental Issues and Challenges. (10)
(b) Write a Short note on Ground water management. (5)
4. (a) What do you understand by Principles of urban ecology. Discuss the various ecological interactions in urban ecosystems. (10)
(b) Write a short note on Urban Water Cycle. (5)
5. (a) Define air pollution. Discuss its health effects in urban areas. (7)
(b) Discuss urbanization and urban demography in relation to social diversity and inequality. (8)
6. Write a short note on the following : (3×5=15)
 - (a) Concept of Sustainability
 - (b) Urban Agriculture
 - (c) Solid Waste Management in Urban areas

P.T.O.

(100)

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