

[This question paper contains 2 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 5569

J

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. Write short notes on the following:

(2½×6=15)

- (a) Urban Agriculture
- (b) Urban Wildlife
- (c) Urban Ecology
- (d) Urban Ecosystems
- (e) Air Quality Modelling
- (f) Municipal Waste Management

P.T.O.

2. Discuss the following (3×5=15)
- (a) Stormwater management
 - (b) Concept of Sustainability and its application to urban areas
 - (c) Urban land use patterns and dynamics
3. (a) Discuss the concept of Sustainability and its application to urban ecosystems. (10)
- (b) Write a Short note on urban agriculture and gardening. (5)
4. (a) Discuss the sources and types of air pollution in urban areas. Also, discuss the health effects of urban air pollution. (10)
- (b) Write a short note on Policy and Regulation for air quality in Urban areas. (5)
5. (a) Define urban sprawl. Discuss its impacts. (7)
- (b) Discuss urbanization and urban demography in relation to social diversity, education and workforce. (8)
6. Write a short note on the following: (3×5=15)
- (a) Waste Reduction and Recycling Strategies
 - (b) Urban Ecosystem Services
 - (c) Indoor Air Quality in Urban areas