

**2024/TDC (CBCS)/EVEN/SEM/
EESHCC-402T/147**

TDC (CBCS) Even Semester Exam., 2024

**ECOLOGY AND ENVIRONMENTAL
SCIENCE**

(4th Semester)

Course No. : EESHCC-402T

(Urban Ecosystems)

Full Marks : 50

Pass Marks : 20

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

UNIT—I

1. Answer any two from the following questions : 2×2=4

- (a) What are green spaces?
- (b) What are the different types of urbanization?
- (c) Write a short note on the concept of 'controlled nature'.

(2)

2. Answer any *one* from the following questions :

- (a) Define urban sprawl. Discuss the environmental issues associated with it.
2+4=6
- (b) What is the importance of nature in the city? Give a detailed account on the concept of green belts. 2+4=6

UNIT—II

3. Answer any *two* from the following questions : 2×2=4

- (a) What is urban pollution?
- (b) Name two cities as source of resources.
- (c) What do you mean by commodification of nature?

4. Answer any *one* from the following questions : 6

- (a) "Man as the driver of urban ecosystem." Explain.
- (b) Discuss about the resource consumption and its ecological perspectives.

(3)

UNIT—III

5. Answer any *two* from the following questions : 2×2=4

- (a) Define slum in the context to urban.
- (b) Write a short note on energy consumption in urban areas.
- (c) Write the importance of town planning in urban areas.

6. Answer any *one* from the following questions : 6

- (a) Discuss the mechanism of waste disposal and accumulation in urban areas.
- (b) Discuss the necessity of town planning acts and their environmental aspects.

UNIT—IV

7. Answer any *two* from the following questions : 2×2=4

- (a) What is urban environment management?
- (b) What is meant by sustainability in urban planning?
- (c) Write the constituents of urban environment.

(4)

8. Answer any *one* from the following questions :

- (a) Discuss the challenges in urban environment management. 6
- (b) What is urban future? Discuss the challenges associated with sustainability and urban future. 2+4=6

UNIT—V

9. Answer any *two* from the following questions : 2×2=4

- (a) What are green buildings?
- (b) Define urban governance.
- (c) What are smart cities?

10. Answer any *one* from the following questions : 6

- (a) Give an account of the historical and contemporary perspectives in urban planning.
- (b) Discuss the benefits of environmental management.

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