

Bs/EVS C-8T



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(FYUGP)

(4th Semester)

ENVIRONMENTAL SCIENCE

(MAJOR)

Paper : EVS C-8T

(Urban Ecosystem)

Full Marks : 75

Pass Marks : 40%

Time : 3 hours

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

1. (a) Explain urban pollution with reference to air, water and soil pollution. 5+5+5=15

Or

- (b) Discuss resource consumption in urban ecosystems from an ecological and cultural perspective. 7+8=15

2. (a) Discuss urban dwelling patterns across different city sizes. 15

(2)

Or

(b) Rapid urbanization has led to increasing poverty and the proliferation of slums. Examine the causes, problems and solutions associated with this phenomenon.

3. (a) Discuss the scope, importance and major threats to natural spaces in the urban environment.

15

Or

(b) Explain in detail the evolution of urban planning and its environmental aspects from historical to contemporary perspectives.

4. (a) Mention some of the key focus areas of policy and management decisions. Write a note on urban forests as 'green lungs'.

8+7=15

Or

(b) Discuss green infrastructure, sponge cities and green belts as tools for sustainable cities.

5+5+5=15

5. (a) Explain the concept of commodification of nature and its environmental impact. Write a short note on cities as sources of resources.

10+5=15

(3)

Or

- (b) Explain the role of human activities in shaping urban ecosystems. Discuss energy consumption and waste generation in cities. 5+10=15

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