



Ba/Bs/EVS C-4T

2024

(FYUGP)

(2nd Semester)

ENVIRONMENTAL SCIENCE

(Major)

Paper Code : EVS C-4T

(Land and Soil Conservation and Management)

Full Marks : 75

Pass Marks : 40%

Time : 3 hours

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

1. What are the factors that affect soil formation? Describe the physical properties of soil. 7+8=15

Or

Explain in detail the different types of soils found in India. 15

2. What is soil resistance and resilience? Describe the different types of soil erosion. 5+10=15

Or

How is soil pollution caused by toxic organic chemicals and organic contaminants? Explain the importance of fertilizers and fertilizer management.

8+7=15

3. Discuss the different drivers of land degradation.

15

Or

Elaborate on land degradation and visual indicators of land degradation.

7+8=15

4. Explain the emerging threats of land degradation and its effect on farming communities with emphasis to developing countries.

10+5=15

Or

Elaborate on economic valuation of land degradation.

15

5. What is sustainable land-use planning? Explain the role of database and data analysis in land-use management.

5+10=15

Or

Elaborate on land degradation assessment and its integration for conservation of land.

7+8=15

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