

Bs/EVS/C-9T

2025

(FYUGP)

(5th Semester)



ENVIRONMENTAL SCIENCE

(MAJOR)

Paper Code : EVS/C-9T

(Biodiversity and Conservation)

Full Marks : 75

Pass Marks : 40%

Time : 3 hours

The questions are of equal value

Answer *any five* questions

1. Discuss the ecological, economic and ethical importance of biodiversity.
2. Explain the role of biodiversity in ecosystem services with suitable examples.
3. Examine the global and regional patterns of biodiversity, highlighting the factors influencing them.

(2)

4. Discuss the methods and parameters used in biodiversity estimation.
5. Examine how habitat loss, fragmentation and degradation affect biodiversity.
6. Analyze the major anthropogenic threats to biodiversity with reference to invasive species, land use change, and overexploitation.
7. Explain the strategies of *in situ* and *ex situ* conservation of biodiversity.
8. Write short notes on biodiversity hotspots and the IUCN Red List.
9. Evaluate the impact of hydropower development on India's biodiversity with suitable examples.
10. Assess the objectives and implementation of the National Biodiversity Action Plan (NBAP) in conserving India's biological wealth.

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