MEVE–14

M. SC. (ENVIRONMENTAL SCIENCE) (MSCENV)
Term-End Examination
December, 2023

MEVE–14 : BIODIVERSITY CONSERVATION AND MANAGEMENT

Time : 3 Hours   *Maximum Marks : 100*

Note : (*i*) *Answer* any *ten* questions.

(*ii*) *All questions carry equal marks.*

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1. Differentiate between species, genetic and ecosystem diversity. What are biodiversity indices ?   5+5

2. What are biodiversity values ? Throw light on the environmental, economic and social value in detail.   2+8

3. Describe the major drivers of biodiversity loss.

10

4. Comment on the relationship between biodiversity, ecosystem services and human well-being. 10

5. Discuss the role of traditional knowledge system in conservation of biodiversity. 10

6. What is extinction of biodiversity ? How is it affecting the sustainability of our earth ? 2+8

7. Describe protected area network. How is biodiversity conserved through protected area network ? 2+8

8. Differentiate between *ex-situ* and *in-situ* conservation method. Describe any **two** *in-situ* conservation methods in detail. 5+5

9. Describe main features of National Biodiversity Policy of India. 10

10. What is convention of biological diversity ? Describe its main features. 2+8

11. Describe sustainable harvesting of different biological resources. 10

12. Explain characteristics and principles of biodiversity management through ecosystem approach. 10

13. What are hotspots of biodiversity ? Describe the biodiversity of India. 2+8

14. Describe any *four* major ecosystems of the world and highlight their biodiversity. 10