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Reg. No. : .....

Name : .....

First Semester M.Sc. Degree Examination, May 2023

Environmental Sciences

ES 213 – NATURAL RESOURCES AND ENERGY MANAGEMENT

(2018 Admission Onwards)

Time : 3 Hours Max. Marks : 75

I Answer **any ten** of the following.

1. What are Critically Endangered species (CR)? Give two examples.
2. What is solar thermal collector?
3. What is sustainable water management?
4. What are the characteristics of saline soil?
5. What are the functional areas of WWF?
6. Fossil fuels
7. Biome
8. Ex situ conservation
9. Biodiesel
10. Genetic diversity
11. Alien species
12. Biogas

(10 × 2 = 20 Marks)

P.T.O.

II Answer **any Five** of the following

13. Briefly describe the advantages of non conventional energy technologies.
14. Name the biodiversity hotspots in India. Why they are important?
15. Write short notes on wind energy potential in India.
16. What is agro forestry? Explain types of agro forestry.
17. What are the advantages and disadvantages of nuclear energy?
18. Briefly discuss about tidal energy production.
19. What are the characteristics of nitrogen fixing trees (NFT)? Give two examples for NFT.

(5 × 5 = 25 Marks)

III Answer **any three** of the following.

20. Write an essay on CITES. Describe its functions and contributions.
21. What is forest biome? Describe different types of forests and its importance.
22. Write an essay on convention on biodiversity and its goals.
23. Write an essay on high-level working group on western ghats report and recommendations.

(3 × 10 = 30 Marks)