TDC (CBCS) Even Semester Exam., 2023

ECOLOGY AND ENVIRONMENTAL SCIENCE

(Honours)

(6th Semester)

Course No. : EESHCC-602T

(Natural Resource Management and Sustainability)

Full Marks : 50
Pass Marks : 20

Time : 3 hours

The figures in the margin indicate full marks for the questions

SECTION—A

Answer any *ten* of the following questions : 2×10=20

1. What do you mean by conservation of natural resources?

2. What do you mean by sustainable forestry? Give example.

3. State any two strategies for soil conservation.

4. What is rock cycle? Explain.

5. What do you mean by identified resources? Give examples.

6. What is dredging? How is it performed?

7. Write a note on usefulness of natural gas.

8. What is oil exploration? How is it performed?

9. What do you mean by bituminous coal?

10. What is OTEC? How is it performed?

11. What is wave energy? State its application.

12. What is non-conventional energy? Give example.

13. Write a note on sustainable development.

14. What do you mean by integrated resource management? Give examples.

15. State any two approaches of resource management.

SECTION—B

Answer any *five* of the following questions : 6×5=30

16. What do you mean by forest management? Add a note on various forest management strategies. 2+4=6

17. What is water? What are the different resources of water? State few applications and uses of water resources. 1+2+3=6

18. What is mining? Explain how mining is done for mineral resources. 2+4=6

19. Write a note on open pit and rock cycle. 3+3=6

20. What is coal? Explain the process of extraction and processing of coal. 2+2+2=6

21. Write a note on environmental impacts of non-renewable energy consumption. 6

22. What is energy efficiency? Write a note on energy efficiency of solar energy. 2+4=6

23. Write notes on the following : 3+3=6

    (a) Nuclear power

    (b) Biomass energy

24. Write a note on ethological approaches of resource management. Add a note on the implications of the approaches. 3+3=6

25. What are the different constituents of sustainable development? Explain the different approaches towards sustainable development. 2+4=6

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