TDC (CBCS) Even Semester Exam., 2022

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 natural resources? Give example.

2. What is meant by forest management?

3. Write any two strategies for water conservation.

4. What is mining? Explain.

5. What do you mean by undiscovered resources? Give example.

6. What is open pit? State its function.

7. What is coal? How is it extracted. 1+1=2

8. Write any two impacts of non-renewable energy consumption.

9. Define energy efficiency.

10. What is OTEC? How is it beneficial? 1+1=2

11. What is hydropower? How is it generated? 1+1=2

12. How is energy from biomass obtained?

13. What do you mean by resource management?

14. What is ethology? How is ethological knowledge helpful in resource management? 1+1=2

15. How is concept of sustainability helpful in resource management?

SECTION—B

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

16. Write notes on economic and ecological importance of forest. 3+3=6

17. What is soil? Why is it important? Add a note on conservation strategies of soil. 1+2+3=6

18. Write a brief note on the environmental impact of extracting and using mineral resources.

19. What is rock cycle? Explain with proper illustration. 2+4=6

20. What is oil? How is oil extracted? Write a note on the processing of oil. 1+2+3=6

21. What is natural gas? Write a brief note on the role of natural gas in our day-to-day life. 2+4=6

22. What is tidal energy? Explain the energy efficiency of tidal energy. 2+4=6

23. Write brief notes on the following : 3×2=6

(a) Geothermal energy

(b) Biodiesel

24. Write brief notes on ecological and economic approach to resource management. 3+3=6

25. What do you mean by integrated resource management? Explain briefly the strategies for integrated resource management. 2+4=6

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