

**2023/FYUG/ODD/SEM/  
EESDSC-102T/043**

**FYUG Odd Semester Exam., 2023**

**( Held in 2024 )**

**ECOLOGY AND ENVIRONMENTAL SCIENCE**

**( 1st Semester )**

**Course No. : EESDSC-102T**

**( Earth and Earth Surface Processes )**

**Full Marks : 70**

**Pass Marks : 28**

**Time : 3 hours**

*The figures in the margin indicate full marks  
for the questions*

**SECTION—A**

**Answer ten questions, selecting any two from each**

**Unit :**

**2×10=20**

**UNIT—I**

- 1. Write the composition of core.**
- 2. Write the composition of mantle.**
- 3. Write briefly about hydrosphere.**

24J/481 ( 2 )

UNIT—II

4. What do you mean by movement of lithosphere plates?
5. What is plate tectonics?
6. What is orogeny?

UNIT—III

7. What is rock cycle?
8. Write a brief note on three rock laws.
9. Write briefly about physical processes of erosion.

UNIT—IV

10. What do you mean by atmospheric circulation?
11. Write different types of glaciers.
12. What do you mean by glacier dynamics?

( 3 )

UNIT—V

13. Write a brief note on Western Ghats.
14. Write briefly about formation of Himalaya.
15. Write a brief note on Aravallis.

SECTION—B

Answer *five* questions, selecting *one* from each  
Unit : 10×5=50

UNIT—I

16. Give an account on chemical composition of earth.
17. Write a detailed note on geological time scale.

UNIT—II

18. Describe in detail the gravitational and magnetic field of the earth.
19. Write short notes on the following : 5+5=10
  - (a) Pangea
  - (b) Continental drift

( 4 )

UNIT—III

20. Describe the process of lithification and metamorphism.
21. Give an account on various factors affecting erosion.

UNIT—IV

22. Give an account on composition of atmosphere with physical and chemical properties of atmosphere.
23. Write detailed notes on the following :
  - (a) Ocean-land interface
  - (b) Rivers and geomorphology

UNIT—V

24. Give an account on perennial river system of India.
25. Describe in detail the formation of the Indo-Gangetic plains.

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