

22P118

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Name:

Reg.No:

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2022

(CBCSS - PG)

(Regular/Supplementary)

CC19P ESC1 C02 - PHYSICAL PROCESSES IN THE ENVIRONMENT

(Environmental Science)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

Answer any *four* questions. Each question carries 2 weightage.

1. What is meant by sinking of ocean water.
2. Define virtual temperature.
3. Define climate change.
4. Explain La-nina.
5. Explain the properties of earth crust.
6. Comment on Physical weathering.
7. Explain stream flow.

(4×2 = 8 Weightage)

Part-B

Answer any *four* questions. Each question carries 3 weightage.

8. Explain the global distribution of solar radiation.
9. Differentiate isothermal and adiabatic processes.
10. Explain the role of curvature and solute effects in precipitation.
11. Explain the role of climate for the ecological processes.
12. Differentiate atmosphere and hydrosphere.
13. What are the difference between igneous and metamorphic rocks.
14. Discuss the importance of global water balance.

(4×3 = 12 Weightage)

Part-C

Answer any *two* questions. Each question carries 5 weightage.

15. Briefly explain the ocean circulations and its importance in environment.
16. Define atmospheric stability and explain the different factors that affect atmospheric stability.
17. Explain the geological time scale and formation of earth.
18. What are the measures taken to protect ground water in Kerala? Explain different methods of conservation.

(2 × 5 = 10 Weightage)
