

**23P118**

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Name: .....

Reg.No: .....

**FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2023**

(CBCSS - PG)

(Regular/Supplementary/Improvement)

**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. Define convergence.
2. Name the different atmospheric boundary layers.
3. Define precipitation.
4. What is ice nuclei?
5. Comment on Biological weathering.
6. Define sedimentary rock.
7. What is hydrological cycle?

**(4 × 2 = 8 Weightage)**

**Part-B**

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

8. What are the reasons for green house effect?
9. Briefly explain the composition of dry air with neat diagram.
10. Explain the role of different agencies in the field of mitigation of climate change.
11. Differentiate El Nino and La Nina.
12. Explain the different theories related to the origin of Earth.
13. Explain Hydrophere and its significance.
14. Differentiate stream flow and stream hydrograph.

**(4 × 3 = 12 Weightage)**

### **Part-C**

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

15. Explain the reasons, consequences and mitigation strategies for green house effect.
16. Explain the role of atmosphere in pollution dispersion.
17. Explain rock cycle and weathering and its different types.
18. What are the measures taken to protect ground water in Kerala? Explain different methods of conservation?

**(2 × 5 = 10 Weightage)**

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