

20P118

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Name:

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2020

(CBCSS-PG)

(Regular/Supplementary/Improvement)

CC19P ESC1 C02 – PHYSICAL PROCESSES IN THE ENVIRONMENT

(Environmental Science)

(2019 Admission onwards)

Time: Three Hours

Maximum: 30 Weightage

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

1. Define Geological folds.
2. Explain Adiabatic processes.
3. Comment on Global water balance.
4. Explain ENSO
5. Briefly explain Composition of dry air.
6. Define Black body.
7. Explain Hydrological cycle.

(4 x 2 = 8 Weightage)

II. Answer any **four** questions. Each question carries 3 Weightage.

8. What is green house effect? What is its consequence?
9. What is Thermohaline conveyor belt and it's important?
10. Explain the characteristics of igneous, sedimentary and metamorphic rocks.
11. Briefly discuss the atmosphere hydrosphere interactions.
12. Describe the structure of Earth.
13. Distinguish between weather and climate.
14. Explain different conditions of atmospheric stability

(4 x 3 = 12 Weightage)

III. Write an essay on any **two** of the following. Each question carries 5 Weightage.

15. Explain the monsoon season with special reference to the monsoon in Kerala
16. Discuss the effect of climate change on ecosystems and human welfare.
17. Discuss the global distribution of precipitation.
18. Explain the different types of plate boundaries and their significance.

(2 x 5 = 10 Weightage)
