



Register Number:

**DATE: 11-01-2021**

**ST. JOSEPH'S COLLEGE (AUTONOMOUS), BENGALURU – 27**  
**B.Sc. ENVIRONMENTAL SCIENCE – I SEMESTER**  
**SEMESTER EXAMINATION: JANUARY 2021**  
**ES – 118: DIVISIONS OF THE ENVIRONMENT**

**TIME: 2½ HOURS**

**MAX MARKS: 70**

**This question paper comprises of 3 parts and one printed page**  
**Instruction: Draw diagrams wherever necessary**

**PART – A**

**Answer any ten of the following**

**10X2 = 20**

1. List the objectives of environmental education.
2. What is an Aurora?
3. Depict the four steps of Chapman's reactions.
4. Differentiate weather and climate.
5. What is global dimming?
6. Define Hydrologic cycle.
7. Define a spring.
8. What is ground water?
9. Define plate tectonics.
10. List any two impacts of sand dunes.
11. Compare mineralogy and petrology.
12. Mention the structural classification of soils.

**PART – B**

**Write explanatory notes on any four of the following**

**4X5 = 20**

13. Urban heat islands
14. Global warming and its control
15. Cloud seeding
16. Thermal stratification of lentic systems
17. Avalanches
18. Types of intrusive igneous rocks

**PART – C**

**Answer all the questions**

**3X10 = 30**

19. Explain the thermal stratification of the Earth's atmosphere.

**OR**

Write notes on depletion and recovery of stratospheric ozone.

20. Explain the types of lifting and precipitation.

**OR**

Provide a detailed classification of lakes.

21. Give an account of the internal structure of the Earth.

**OR**

Provide an account the causes, effects and management of earthquakes.