

**B.Sc. (NEP) Sem.2 Examination**  
**DSC-C-121**  
**Env. Science**  
**May-2025**

**Time : 2-00 Hours]**

**[ Max. Marks : 50**

**Instructions:** (1) Draw figures where necessary.

(2) Show question number against each answer.

(3) Figures in right are marks.

**Q1.** Write a detail note on earth's crust, mantle and core with diagram. (10)

**OR**

**Q1(A)** Write a note on gravitational field of the earth. (05)

**Q1(B)** Note on earth as a unique celestial body. (05)

**Q2.** Explain in detail rock cycle and weathering of rocks. (10)

**OR**

**Q2(A)** A detail note on characteristics of soil. (05)

**Q2(B)** A note on earthquake as a dynamic phenomenon. (05)

**Q3.** A detail note on general and unusual characters of all types of water. (10)

**OR**

**Q3(A)** Explain hydrological cycle with diagram. (05)

**Q3(B)** Write a note on cryosphere. (05)

**Q4.** Explain the structure of atmosphere in detail with diagram. (10)

**OR**

**Q4(A)** Explain in detail the chemical composition of air. (05)

**Q4(B)** Explain atmospheric stability in detail. (05)

**Q5.** Write any **Ten** out of twelve. (10)

- 1) Define humidity.
  - 2) Full form of MLVSS.
  - 3) What do you mean by the term tectonic plates?
  - 4) Name major elements present on earth.
  - 5) Example of metamorphic rocks.
  - 6) Define Kuiper's belt.
  - 7) Why is stratosphere important?
  - 8) Write layers of soil profile.
  - 9) Write any two properties of sea water.
  - 10) Name the waves generated from earthquake.
  - 11) Write full form of CFC's.
  - 12) Define EL Nino.
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