

B.Sc. (NEP) Sem.-4 Examination

DSC-C-241

Env. Science

April-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.

Q.1 Describe in detail the composition of atmosphere. (10)

OR

Q.1(A) Write a note on air pollution control devices. (05)

Q.1(B) Note on plume behavior with figures. (05)

Q.2 Write a note on organic and inorganic water pollutants. (10)

OR

Q.2(A) Explain different water quality parameters (05)

Q.2(B) Write a note on characteristics of industrial wastes. (05)

Q.3 Explain in detail soil profile and its characteristics with diagram. (10)

OR

Q.3(A) Write a note on effects of soil pollution on ground water. (05)

Q.3(B) Write the methods to control soil pollution. (05)

Q.4 Write a note on different types of physical pollution with its characteristics. (10)

OR

Q.4(A) Explain the terms sound pressure level and intensity in detail. (05)

Q.4(B) Explain radiation pollution in detail. (05)

Q.5 Answer any **TEN** out of twelve. (10)

1. What does pollution mean?
2. Write sources of space pollution.
3. Define Biomagnification.
4. Define temperature inversion
5. How many layers of soil are there? Name them.
6. Why soil as a resource is important?
7. Define ESPs.
8. Full form of BOD & COD.
9. Write major sources of pollution.
10. Name any two infectious disease born from air pollution.
11. Name any two waterborne disease.
12. How much dB is safe for human ear?