

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

DSC-C-242

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 Write a detail note on physio-chemical characteristics of coal. (10)

**OR**

Q.1(A) Write a note on uses of oil and natural gas. (05)

Q.1(B) Write down the impacts of mining on environment. (05)

Q.2 Write a detail note on sun as a source of energy. (10)

**OR**

Q.2(A) Explain how energy from wind mill is harnessed. (05)

Q.2(B) Explain Photovoltaic cells in detail with figure. (05)

Q.3 Write a note on nuclear fission and fusion in detail. (10)

**OR**

Q.3(A) Write a note on processing of uranium. (05)

Q.3(B) Explain the environmental impact of nuclear waste. (05)

Q.4 Write a note on impact of large scale exploitation of renewable energy sources. (10)

**OR**

Q.4(A) Detail note on national target plans. (05)

Q.4(B) Explain India's potential from renewable energy. (05)

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

1. What are non-conventional sources of energy?
2. Name the biggest solar plant of India.
3. Define nuclear energy.
4. Write down the types of coal.
5. Which does fossil fuel mean?
6. What are short-lived nuclides?
7. Define solar dryers.
8. Define net-calorific value.
9. Full form of OTEC.
10. What is India's rank in making energy from renewable sources?
11. Define carbon credit.
12. Outline for formation of biogas.