

Day : Wednesday

Date : 10/12/2025

W-30054-2025

Time : 10:00 AM-12:00 PM

Max. Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Assume suitable data **WHEREVER** necessary.
- 4) Draw neat diagrams **WHEREVER** necessary.

Q.1 Multiple choice Questions: Answer **ANY TEN** (10)

A) Which of the following is a renewable resource?

- a) Coal
- b) Petroleum
- c) Solar Energy
- d) Natural Gas

B) Which gas is primarily responsible for global warming?

- a) Nitrogen
- b) Oxygen
- c) Carbon Dioxide
- d) Hydrogen

C) PM10 refers to particles smaller than:

- a) 5 micrometres
- b) 10 micrometres
- c) 2.5 micrometres
- d) 20 micrometres

D) Which of these cannot be recycled easily?

- a) Glass jars
- b) Aluminium cans
- c) Plastic food wrappers
- d) Newspapers

E) Which of the following is a non-renewable resource?

- a) Wind
- b) Biomass
- c) Natural Gas
- d) Tidal Energy

F) Which of the following is not an abiotic component of an ecosystem?

- a) Temperature
- b) Sunlight
- c) Plants
- d) Air pressure

G) The term biodiversity refers to:

- a) A single plant species
- b) The variety of living organisms
- c) Only forest animals
- d) Number of rivers in a region

H) Which of the following is an example of a Reduce practice?

- a) Donating books
- b) Composting
- c) Carrying your own cloth bag
- d) Recycling

I) Which one of these is an exotic species in India?
a) Peepal tree
b) Eucalyptus
c) Banyan tree
d) Neem tree

J) Sacred groves are protected because:
a) They are fun places to visit
b) They are used for farming
c) They hold religious and ecological value
d) They are empty lands

K) Which label shows an eco-friendly product?
a) Skull symbol
b) ISI mark
c) Ecomark
d) Recycle bin

L) AQI stands for:
a) Air Quantity Indicator
b) Air Quality Index
c) Air Quality Information
d) Accurate Quotation Index

M) Reusing an item means:
a) Burning it
b) Throwing it away
c) Using it again for same or new purpose
d) Composting it

N) Which of the following helps in conservation of water?
a) Leaving taps running
b) Using water sprinklers mid-day
c) Rainwater harvesting
d) Washing cars daily with hosepipes

Q.2 Answer ANY FIVE questions (20)

a) Differentiate between ex-situ and in-situ conservation.
b) What is biodiversity? Explain any two threats to biodiversity.
c) Explain any four ecosystem services.
d) Draw a neat, labelled diagram for waste segregation bins, label each bin according to the type of waste
e) List and explain any 4 SDGs related to your profession.
f) What are the different types of pollution?
g) Explain any four problems associated with natural resources.

Q.3 Answer ANY TWO questions : (20)

a) List the 10 biogeographic zones of India. Explain the reasons behind the threats faced by biodiversity in these regions.
b) "Sustainable consumption is the need of the hour." Justify your statement with suitable examples.
c) Explain the connect between your academic course, Environmental studies and SDGs.

Q.4 Answer ANY ONE questions : (10)

a) "Behavioural change is more important than policy change for environmental conservation." Do you agree or disagree? Justify your answer with examples from daily life
b) Many urban residents are unaware of the biodiversity around them. Propose a creative solution to engage urban communities in local biodiversity conservation.