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**2nd Sem / Auto, Civil, Comp, Elect, ECE, Mech**  
**Subject:- Environmental Studies**

Time : 3Hrs.

M.M. : 100

**SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 World Environment Day is celebrated on :-  
a) 11<sup>th</sup> June                  b) 11<sup>th</sup> May  
c) 5<sup>th</sup> June                  d) 5<sup>th</sup> May
- Q.2 The example of biotic Components of ecosystem is :  
a) Plant                  b) Animal  
c) Micro-organism                  d) All of above
- Q.3 Pond is an example of  
a) Ecology                  b) Ecosystem  
c) Both a & b                  d) None of these
- Q.4 Omnivores feed on  
a) Plants                  b) Animals  
c) Decay matter                  d) Both Plants & Animals
- Q.5 DDT is an:-  
a) Biodegradable pollutant  
b) Non-biodegradable pollutant  
c) Radioactive Pollutant  
d) All of above

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Q.6 PH value of Acidic Rain is

- a) 7                  b) Less than 7  
c) More than 7                  d) Any of the above

Q.7 Coal is an example of \_\_\_\_\_ Energy:

- a) Non-conventional                  b) Conventional  
c) Renewable                  d) All of above

Q.8 The chemical formula of Carbon Monoxide is

- a) CO<sub>2</sub>                  b) CO<sub>3</sub>  
c) CO                  d) CMO

Q.9 CFCs stand for

- a) Chloro Carbons  
b) Chlorofluoro carbons  
c) Carbon fluorine  
d) Carbon Fluorine Carbon

Q.10 Full form of COD is :-

- a) Carbon Oxygen Demand  
b) Carbon dioxide  
c) Chemical Oxygen demand  
d) Carbon Monoxide

**SECTION-B**

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Define food Chain  
Q.12 Name one natural source of air pollution.  
Q.13 Decomposes feed on \_\_\_\_\_

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- Q.14 Give an example of Non-Renewable source of Energy.
- Q.15 Acid Rain is mainly caused due to \_\_\_\_\_
- Q.16 Name the main Green house Gas. \_\_\_\_\_
- Q.17 Define Soil Pollution.
- Q.18 Name any one Abiotic Component of Ecosystem.
- Q.19 Give one use of Bio-energy.
- Q.20 EIA stands for \_\_\_\_\_

### SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions.  $(12 \times 5 = 60)$

- Q.21 Define Ecosystem with an example. Write down any two characteristics of an ecosystem.
- Q.22 Define solid waste. Write the main causes of rapid growth of solid waste.
- Q.23 Enlist five harmful effects of Air pollution on Plants.
- Q.24 Differentiate between Biodegradable and Non-biodegradable pollutants with examples.
- Q.25 Write down the harmful effects of deforestation.
- Q.26 How can we control Water Pollution?
- Q.27 Show Carbon Cycle with Neat Label diagram.
- Q.28 Explain the Role of E-waste management.
- Q.29 Write down the main causes of Ozone Depletion.
- Q.30 Write about the importance of Energy Conservation (Amendment) Act 2010 and its importance.

- Q.31 Define Green building. Briefly describe the components of Green building.
- Q.32 Define Hydroenergy. Give its advantages and disadvantages.
- Q.33 Briefly explain the purpose of Environment Protection Act.
- Q.34 Enlist the harmful effects of Acid Rain on building, human life and Environment.
- Q.35 Briefly describe the various sources of Soil Pollution.

### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions.  $(2 \times 10 = 20)$

- Q.36 Define Noise Pollution. Write the main sources of Noise Pollution . Enlist its harmful effects and give three methods to control Noise Pollution.
- Q.37 Differentiate between Conventional and Non-conventional Energy Resources with examples. Why there is a need of non-Conventional Resources of Energy?
- Q.38 Write short notes on any two :-
- Sustainable Development
  - Rain Water Harvesting
  - Global Warming