

- Q.27 Differentiate between bio-degradable and non-bio-degradable solid waste with example.
- Q.28 Define Global Warming. Enlist its adverse effects.
- Q.29 Define soil Pollution. Enlist any three methods to control soil Pollution.
- Q.30 Enlist the advantages of Recycling.
- Q.31 Describe briefly the Green House effect.
- Q.32 Write down the functions of state Pollution Control Board.
- Q.33 Define Hydro energy. Write its two uses and one disadvantage.
- Q.34 Explain in brief the need for conservation of energy.
- Q.35 Define Environmental Impact Assessment. Write down three functions of it.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain the concept of Green Building. How does it help in controlling pollution.
- Q.37 Write in detail the various objectives of Environment Protection Act.
- Q.38 Enlist the harmful effects of water Pollution. How can it be controlled?

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**1st Sem / Mechatronics
Subject:- Environmental Studies**

Time : 3Hrs. M.M. : 100

SECTION-A

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

- Q.1 The word Renewable Energy means:-
a) Used Again
b) Cannot be used again
c) Not available free of cost
d) Used only once
- Q.2 The concept of Sustainable development includes
a) Control the population growth
b) Reduce wastage of matter
c) Conserve Natural Sources
d) All of these
- Q.3 An ecosystem consist of:-
a) Green plants and animals
b) Green plants and decomposers
c) Producers and Consumers
d) Green plants, animals, decomposers and abiotic

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- Q.4** Below which of the following PH is rain regarded as Acid Rain:-
 a) 7 b) 7.3
 c) 5.6 d) 6
- Q.5** The ozone layer mainly absorb:-
 a) Alpha Rays b) Beta Rays
 c) UV Rays d) Gamma Rays
- Q.6** Deforestation generally decreases:-
 a) Rainfall b) Soil Erosion
 c) Draught d) Global Warming
- Q.7** Yellowing of Taj Mahal is an effect of:-
 a) Acid Rain b) Global Warming
 c) Ozone depletion d) All of above
- Q.8** The method of solid disposal in which waste is dumped in low lying areas called:-
 a) Land filling b) Incineration
 c) Pyrolysis d) Composting
- Q.9** The gases responsible for Global Warming are:-
 a) Carbon dioxide b) Methane
 c) CFC's d) All of above
- Q.10** Air prevention and Control of Pollution Act was given in year:-
 a) 1965 b) 1974
 c) 1981 d) 2002

SECTION-B

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 The % age of oxygen in atmosphere is _____.
- Q.12 Define Producer
- Q.13 Define Smog
- Q.14 Give an example of Biomedical Waste.
- Q.15 Sound Level is measured in _____.
- Q.16 EPA stands for _____.
- Q.17 Expand CFC's.
- Q.18 Disinfection in water is done by _____.
- Q.19 Name one Non-Renewable Resource of Energy.
- Q.20 E-Waste means _____.

SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Define Consumers. Name and define the various category of Consumers with examples.
- Q.22 Enlist the main sources of Air pollution.
- Q.23 Define deforestation. How can we control deforestation?
- Q.24 Enlist any five objectives of Rain water Harvesting.
- Q.25 Differentiate between Renewable and Non-Renewable Resources of Energy with examples.
- Q.26 Enlist the advantages of Solar Energy.