

- Q.31 What are the main amendment in Energy Conservation Act 2010.
- Q.32 Write short note on Ecosystem.
- Q.33 Define Hydro Energy in detail
- Q.34 Define soil pollution and Enlist any two methods of to control soil pollution.
- Q.35 Write short note on Global warming with suitable example.

SECTION-D

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

- Q.36 Explain global warming. What are its effects on environment? Explain.
- Q.37 Explain Gravitational settling chamber with the help of neat sketch.
- Q.38 Define solid waste. What are the methods for solid waste management?

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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 Animals that feed on plants are called
a) Carnivores b) Omnivores
c) Detrivores d) Herbivores
- Q.2 Volcanic eruption is source of
a) Air pollution b) Water pollution
c) Both a & b d) None
- Q.3 Which of the following is a fossil fuel?
a) Coal b) Petroleum
c) Tar d) All the above
- Q.4 What is the cause of soil pollution?
a) Ozone b) Aerosol
c) Acid rain d) None of above
- Q.5 Noise is measured by
a) Decibel b) Sound
c) Hertz d) Joule

(20)

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- Q.6 The largest particles from water are removed by
a) Sedimentation
b) Filtration and water softening.
c) Screening
d) All of the above
- Q.7 Glass can be recycled
a) Upto few times b) None of the above
b) Infinity d) cannot be recycled
- Q.8 Which of the following is a bio-degradable waste.
a) food waste b) paper waste
c) Garden waste d) None of the above
- Q.9 Sound level is measured in
a) watt b) decibel
c) coloumb d) Joule
- Q.10 Carnivores come under category of
a) Producer b) Decomposer
c) Consumer d) None of the above

SECTION-B

Note: Objective type questions. All questions are compulsory. $(10 \times 1 = 10)$

- Q.11 Removal of mircoorganism from the sewage water by _____
- Q.12 Biogas is mixture of _____

- Q.13 Ecology deals with the study of _____
- Q.14 The pollution that can be broken down rapidly by the natural process is called as _____
- Q.15 Bhopal gas tragedy occured due to leakage of _____
- Q.16 The National disaster management authority is headed by _____
- Q.17 Define Environment.
- Q.18 Name any water treatment Process
- Q.19 Expand UNEP
- Q.20 Give examples of omnivores

SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. $(12 \times 5 = 60)$
- Q.21 What are the objectives of rain water harvesting?
- Q.22 What do you mean by conventional source of energy
- Q.23 Write the effect of noise pollution.
- Q.24 Write the advantages of landfilling.
- Q.25 Write the effect of water pollution on human health.
- Q.26 Define pollution. What are its various sources.
- Q.27 Explain E-Waste management.
- Q.28 What is ozone layer depletion.
- Q.29 Explain the advantage of recycling.
- Q.30 Explain the mechanism of green house effect.