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**ANSWER THE FOLLOWING:**

1. Nuclear waste is an extremely potent pollutant and has to be dealt with utmost caution. Justify.
2. How do the following help in the upkeep and safeguarding of our environment?
  - (i) EcoSan toilets
  - (ii) Eco friendly packaging
  - (iii) Polyblend
  - (iv) Integrated organic farming.
3. Delhi ranked fourth among the 41 most polluted cities of the world. What are the initiatives taken for reducing vehicular pollution? Why is CNG better than diesel? Why should vehicles equipped with catalytic converter use unleaded petrol? What is the goal, according to the road map to cut down vehicular pollution in Indian cities?
4. Noise is undesired high level of sound. What are the effects of noise on human health. What are the stringent laws enforced to protect ourselves from noise pollution?
5. (i) Define Accelerated Eutrophication.  
(ii) Name the prime contaminants that cause Eutrophication.  
(iii) How does the above process affect aquatic life?
6. Fig 16.1 Pg 271
  - (i) Identify the device shown in the above picture.
  - (ii) What is the principle involved in the separation of particulate matter.
  - (iii) What is the role played by the scrubber in the above device?
7. (i) Explain briefly, how ozone layer of the atmosphere is getting depleted?  
(ii) Give one point difference between bad ozone and good ozone.  
(iii) Enumerate the deleterious effect of ozone depletion on mankind.
8. The given figure 16.5, Pg276 shows the amount of DDT at different levels in a food chain.
  - (i) Define the process cited above.
  - (ii) If the concentration of DDT in the water surrounding the algae was 0.02ppm.What is the final concentration of DDT in passing from water into producer to top carnivore.
  - (iii) How would this process affect the bird population?
9. Discuss the deleterious affects (any two) of the following on man and his environment. Suggest two remedial measures to minimize the damage.
  - (a) Agro-chemicals to the aquatic system, (b) U.V radiations on humans, (c) Deforestation.
10. According to an estimate ,almost 40 percent forests have been lost in the Tropics, compared to only 16 percent in the temperate region.
  - (i) List four major human activities that contribute to deforestation.
  - (ii) What are the consequences of deforestation?
  - (iii) What is the role of Joint Forest Management in forest conservation?

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