

- Q1 a) Consider any routine material which you use, say; water, paper, plastic etc. trace its components journey backward to the natural resources and processes. Identify the major environmental issues associated with the production of the material. Also, list the basic scientific disciplines which are involved in the production of the material and solution of the environmental problems.
- b) *“Public awareness is a prerequisite for environmental conservation”*. Identify any one of the environmental issues in your region and suggest methods to generate public awareness about the issue.
- Q2 a) What is meant by ecological succession? Discuss the stages involved.
- b) *“Diminishing means and increasing wants are the two root causes of all environmental problems”* Comment on the statement with respect to the resources utilisation.
- Q3 a) What is an ecosystem? Explain the role and interrelation between producers, Consumers and decomposers in an ecosystem taking any two typical ecosystems.
- b) Consider any two natural biogeochemical cycles and explain its role in the material flow in an ecosystem.
- Q4 a) Differentiate between endangered and endemic species. Give examples.
- b) Explain the terms :
- (i) value of biodiversity
- (ii) biopiracy.

- Q5 a) List various control measures of air and noise pollution
- b) List out detailed strategy for solid waste management in your college campus.
- Q6 a) “*Poor nations cannot afford the luxury of environmental control.*” Discuss with respect to the difficulties in implementation of various environmental protection acts in India.
- b) What are the principles of sustainable development? How do we achieve it?
- Q7 Discuss the ‘*role of an individual in pollution control and protection of environment*’ considering at least five different individual activities. How do you think studying the value education and environmental ethics help in this?
- Q8 a) Explain the 3Rs Principle of waste management.
- b) Discuss any two non-conventional energy sources and list their advantages and disadvantages.

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