

Please check whether you have got the right question paper.

- N.B:
1. Question number 1 is compulsory.
 2. Attempt any three questions from Q.2 to Q.6.
 3. Draw neat labelled diagrams wherever necessary.
 4. Figures to right indicate full marks.

Q.1 Attempt **any five** from the following:-

15

- a) What is ecological pyramid?
- b) What are reasons and effects of global warming?
- c) Explain the concept of 'sustainable development'.
- d) Explain only working principle of photovoltaic cells.
- e) Why disaster management is important?
- f) Write important functions of 'State Pollution Control Board' (SPCB).
- g) Write causes and effects of acid-rain.

Q.2 a) Write social and economic aspects of sustainable development.

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b) What are the sources of noise pollution? Why is it bad? What measure can be taken in its prevention?

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c) Draw a neat labelled diagram and explain briefly the process of generating hydropower.

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Q.3 a) Briefly explain how industrial waste water treatment is carried out?

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b) When environmental clearance is required to be taken? Why is it important?

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c) Explain how technology can contribute for better environment and human health.

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Q.4 a) What are the global environmental problems pertaining to population?

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b) Write important features of 'Environmental Protection Act'.

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c) Draw a suitable diagram and explain how electricity is generated from wind energy.

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Q.5 a) Explain any one control measure to achieve sustainable development.

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b) Draw a neat diagram of bag house filter explain its working and role in prevention of pollution.

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c) Differentiate between: - Conventional and Non-conventional sources of energy.

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Q.6 a) What are the reasons for depletion of minerals resources? What will be its future impact?

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b) Explain how solid waste management is done by means of landfilling.

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c) Explain briefly the concept of carbon credits.

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