

Please check whether you have got the right question paper.

- N.B:**
1. Question no. 1 is compulsory.
  2. Answer any three from remaining Q.2 to Q.6.
  3. Draw neat labelled diagrams where applicable.
  4. Figures to the right indicate full marks.

- Q1.** Attempt any five questions from the following:- [15]
- (a) Explain the concept of 'food web'
  - (b) Briefly explain the importance of environmental education for sustainable development.
  - (c) Explain the role of MoE&F (ministry of environment and forest) towards conservation of environment.
  - (d) Draw a labeled diagram of wind turbine and explain only its working principles.
  - (e) Explain the term 'Carbon credit'
  - (f) What is photochemical smog and what are its effects.
  - (g) What are the causes and effects of noise pollution?
- Q2.**
- (a) What are the economic and environmental aspects of sustainable development? [5]
  - (b) What is global warming? How does it affects us adversely? [5]
  - (c) Draw a rough schematic of photovoltaic cell and explain its role in energy generation. [5]
- Q3.**
- (a) Draw a neat diagram of bag house filter and explain its working. [5]
  - (b) Briefly explain important features of environmental clearance and authorization mechanism. [5]
  - (c) How disaster management is important in the event of earthquake. [5]
- Q4.**
- (a) What are the causes and impact of depletion of natural forest resources? [5]
  - (b) Write a note on environmental protection act. [5]
  - (c) Explain how hydropower is generated with suitable diagram. [5]
- Q5.**
- (a) What is the relevance of appropriate technology for sustainable development? [5]
  - (b) Differentiate between: conventional and non-conventional energy sources. [5]
  - (c) Write a brief note on: E- pollution. [5]
- Q6.**
- (a) What are the global environmental problems due to population? [5]
  - (b) Explain briefly how composting is carried out. [5]
  - (c) Explain how technology is useful for better human health and environment. [5]

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