

848ms (110) / P.C / (126)

Q.P. Code :19974

[Time: 2 1/2 Hours]

[ Marks:75]

Please check whether you have got the right question paper.

N.B: 1. All questions are compulsory carrying 15 marks each.

Q.1 Multiple choice questions ( any 8)

08

- 1) Vermicomposting is done by
  - a) Fungus
  - b) Worms
  - c) Bacteria
  - d) Birds
  
- 2) Biotic Environment includes
  - a) Producers
  - b) Consumers
  - c) Decomposers
  - d) All of the above
  
- 3) Which of the following are problems associated with landfills?
  - a) Loss of soil fertility
  - b) Methane production
  - c) Contamination of ground wasters.
  - d) All of the above
  
- 4) Burning of which gas at landfills is responsible for Global Warming?
  - a) Ozone
  - b) Oxygen
  - c) Methane
  - d) Propane
  
- 5) The wildlife protection Act was enacted in year -----
  - a) 1986
  - b) 1994
  - c) 1974
  - d) 1972
  
- 6) ISO-14000 standards deal with
  - a) Pollution management
  - b) Risk management
  - c) Environmental management
  - d) None of the above

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- 7) One carbon credit is equivalent to
  - a) 100 tons of carbon reduction
  - b) 10 tons of carbon reduction
  - c) None of the above
  - d) 1 tons of carbon reduction
  
- 8) The predominant source of energy on earth is
  - a) Electricity
  - b) Sun
  - c) Natural gas
  - d) Plants
  
- 9) Energy derived from hot spots beneath the earth is called.
  - a) Bio energy
  - b) Nuclear energy
  - c) Geothermal energy
  - d) Hydrogen energy
  
- 10) Which of the following is not a form of Non-conventional energy?
  - a) Tidal
  - b) Wind
  - c) Geo Thermal
  - d) Hydel

07

B) True or false ( any 7)

- 1) Flow of energy in the ecosystem takes place through food chain.
- 2) CFL and LED are examples of soft technology
- 3) The water (prevention and Control of pollution) was enacted in 1981.
- 4) Smog is the combination of smoke, fog and sulphur dioxide.
- 5) Geothermal is the non-conventional source of energy
- 6) Natural resources are evenly distributed on earth.
- 7) Over ninety seven percent of the earth's water is in the oceans.
- 8) Many integrated food chains interweave together to form complex food webs.
- 9) Composting of waste is an anaerobic process of decomposing solid wastes.
- 10) Bhopal gas tragedy took place in year 1984.

Q.2 What are Biogeochemical cycles? Explain the working mechanism of water cycle along with its diagrammatical representation. 15

OR

What do you mean by Ecosystem? What are its features? Explain the Energy Flow pyramid in brief. 15

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- Q.3 Define water pollution. Discuss the causes, effect and solution to control water pollution. 15
- OR
- Discuss the phenomena of Global warming What are its causes and effects on the living and non-living things? 15
- Q.4 Write a detailed note on Air (Prevention and control of pollution) Act, 1981. 15
- OR
- Discuss the Process of Environmental Impact Assessment followed in India. 15
- Q.5 Write short notes on : (any 3) 15
- a) Solar Energy
  - b) Organic Farming
  - c) ISO 14001
  - d) Noise Pollution
  - e) Solid Waste Management Techniques
- OR
- a) Discuss the importance of Waste Management project. Cite a few examples. 08
  - b) Write the note on Green Marketing. 07