



Name : .....  
Roll No. : .....  
Invigilator's Signature : .....

**CS/B.OPTM/SEM-2/BO-204/2012**

**2012**

**ENVIRONMENT & ECOLOGY**

Time Allotted : 3 Hours

Full Marks : 70

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words  
as far as practicable.*

**GROUP - A**

**( Multiple Choice Type Questions )**

1. Choose the correct answers for any *ten* of the following :

10 × 1 = 10

- i) The World Environment Day is celebrated on
  - a) 5th January
  - b) 5th June
  - c) 10th January
  - d) 10th June.
- ii) The most powerful eye irritant present in smog is
  - a) NO
  - b) SO<sub>2</sub>
  - c) PAN
  - d) O<sub>3</sub>.
- iii) Biodiversity means
  - a) Lithosphere
  - b) The living natural resources
  - c) Micro-organism only
  - d) Seas and ocean.

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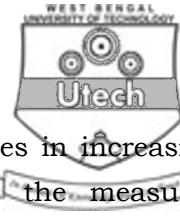
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- iv) Troposphere is a part of
- a) Atmosphere                      b) Stratosphere
- c) Mesosphere                      d) Lithosphere.
- v) "Arabari Model" in West Bengal is famous for
- a) Solar Power
- b) Rain water harvesting
- c) Chipko movement
- d) Joint forest management.
- vi) Gravitational settling chamber is used to control
- a) Air pollution                      b) Water pollution
- c) Noise pollution                      d) Land pollution.
- vii) Soot is the cause of
- a) Cancer                      b) Asthama
- c) Respiratory problems                      d) All of these.
- viii) The normal hearing frequency range is
- a) 20 – 30 dB                      b) 30 – 40 dB
- c) 60 – 80 dB                      d) 80 – 100 dB.
- ix) Advanced water treatment is
- a) Physical process                      b) Chemical process
- c) Bio-chemical process                      d) Biological process.
- x) Cadmium has bio-chemical effect on
- a) bone                      b) lungs
- c) both (a) and (b)                      d) none of these.



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9. Explain the role of different greenhouse gases in increasing the temperature of the earth. What are the measures necessary to face this problem of global warming ? 10 + 5
  10. Why are environmental issues getting too much importance in recent days ? Do you agree with energy from waste ? What is cool roof concept and how is it helpful in energy conservation ? 5 + 5 + 5
  11. What is standard 5 days BOD test ? What are the impacts of surface water pollution ? 6 + 9
  12. Write down the methods of dispersion of pollutants (smoke) within the atmosphere. Discuss the collection and disposal methods of municipal solid waste. 8 + 7
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