

# MAHATMA GANDHI UNIVERSITY

CBCSS B.A/B Sc / B.Com PROGRAMMES 2011

**Fifth Semester**

**Open Course CH5D01.4: Environmental Chemistry**

## **Model Question Paper**

Time: Three hours

Total weightage: 25

### **Section A**

**(Answer all questions .A bunch of four questions carries weightage of 1)**

I

- The segment of environment that includes all types of water sources is -----
- Gasohol is a mixture of gasoline and -----
- BOD is -----
- ----- is an example for renewable source of energy (wood, coal, natural gas, petroleum)

II

- Bhopal gas tragedy is a case of -----pollution (air, water, thermal, nuclear)
- The optimum value of DO for good water quality is ----- mg/L
- Freons are responsible for the depletion of ----- layer
- Name one greenhouse gas.

III

- Minamatha disaster was due to poisoning from -----
- The pH of portable water is -----
- TOC is -----
- DDT accumulation affects the enzyme called -----

IV

- Portable water is made from seawater by -----
- Eye irritation effect of photochemical smog is due to -----
- PAN is -----
- Arsenic poisoning leads to ----- (Pneumonia, loss of hair, typhoid, fever)

### **Section B**

**(Answer any five questions .Each question carries weightage of 1)**

- What is the cause of ozone layer depletion?
- Define contaminant.

- What are the toxic effects of cyanide?
- Define environmental pollution.
- Distinguish between renewable and non renewable sources of energy.
- What are biochemical effects of sulphur dioxide?
- Give the classification of environmental pollution based on pollutant?
- Distinguish between BOD and COD.

### **Section C**

**(Answer any four questions .Each question carries weightage of 2)**

- Explain global warming
- What is photochemical smog?
- How can pollution by nitric oxide can be controlled?
- What are chief pollutants in automobile exhaust?
- Write a note on acid rain.
- What is eutrophication?

### **Section D**

**(Answer any two questions .Each question carries weightage of 4)**

- What are the water quality parameters? Explain
- Write a note on waste water treatment.
- Explain different sources of air pollution.