

Seat No. : \_\_\_\_\_

**AK-117**

**April-2015**

**B.Sc., Sem.-IV**

**(Environment Science)**

**ENV-205 : Environmental Pollution**

**Time : 3 Hours]**

**[Max. Marks : 70**

1. Answer the following questions : (Any **two**) **14**
  - (a) Describe effect of increase in CO and CO<sub>2</sub> levels over the atmosphere.
  - (b) Justify complexity in molecular structure that makes compound recalcitrant.
  - (c) Give detail on sources of noise pollution.
  - (d) Explain Biomagnifications and Bioaccumulation in detail.
  
2. Answer the following questions : (Any **two**) **14**
  - (a) Write a note on sources of land pollution.
  - (b) Write a note on sources of atmospheric pollutant.
  - (c) Describe name of domestic waste and its impact.
  - (d) Write detail note on bacterial indicator of fecal pollution of water.
  
3. Answer the following questions : (Any **two**) **14**
  - (a) Compare toxic chemical pollutants of water resource.
  - (b) Describe the effect of disposing cleaning agent in land.
  - (c) Define BOD and explain its significance.
  - (d) Describe the sources and environmental effect of biomedical waste.
  
4. Answer the following questions (Any **two**) **14**
  - (a) Discuss the means to control gaseous emission in industrial process.
  - (b) Describe control of chemical process by process modification and integration.
  - (c) Discuss on types of scrubbers.
  - (d) Write short note on Water pollution and its sources.

5. Answer the following questions : (All are compulsory)

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- (1) Name chemical able to undergo Biomagnification.
  - (2) What is Xenobiotic compound ?
  - (3) Define MPN.
  - (4) Name two industry causing odour pollution.
  - (5) What is carrying capacity ?
  - (6) Name two heavy metals recognized as environmental pollution.
  - (7) How thermal pollution is harmful ?
  - (8) Give the full form of MINAS and APHA.
  - (9) Define oxidation and reduction reaction.
  - (10) Write full form of SPM and its unit
  - (11) Which chemicals are used as bleaching agent in textile ?
  - (12) Define the term Carcinogen.
  - (13) What are Alkyl Benzene Sulfonates ?
  - (14) What is acceptable COD limits for sewage disposal ?
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