

**T.Y.B.SC. SEM – VI (2014 COURSE) : WINTER - 2017**  
**SUBJECT : OPTIONAL – (A) ENVIRONMENTAL CHEMISTRY-VI**

Day : Friday  
Date : 03/11/2017

**W-2017-0698**

Time : 12.00 NOON TO 02.00 PM  
Max. Marks : 40.

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**N.B.:**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the **RIGHT** indicate full marks.
  - 3) Draw neat labeled diagrams **WHEREVER** necessary.
  - 4) Bothe the sections should be written in **SEPARATE** answer books.
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**SECTION-I**

**Q.1** Answer any **TWO** of the following: **(10)**

- a) What do you understand by Acid-base and ion exchange reactions in the soil? What is their utility for the soil?
- b) “Nuclear fission energy is more popular energy source as compared to nuclear fusion energy” - Explain.
- c) Write a short note on “Solar Energy.”

**Q.2** Answer any **TWO** of the following: **(10)**

- a) “At the end, the Green Revolution proved to be good only for rich countries and rich farmers.” Discuss the statement.
- b) How do you measure the toxicity of the pesticide?
- c) Write a short note on “Integrated pest control.”

**SECTION-II**

**Q.3** Answer any **TWO** of the following: **(10)**

- a) Discuss the significance of population, affluence and technology for solid waste impact on the environment.
- b) “Reuse is the best way for treating the solid waste.” Discuss the statement.
- c) What do you understand by entropy ethics? How does it related to Beverage container industry?

**Q.4** Answer any **TWO** of the following: **(10)**

- a) Give a brief account of process called “Incineration” with respect to solid waste disposal.
- b) Outline the functioning of Chlor-alkali industry. How does it responsible for mercury pollution?
- c) How does a typical paper industry operate? Explain various steps involved in the production of paper.

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