

T.Y.B.SC. SEM – VI (2014 COURSE) : SUMMER - 2018
SUBJECT : OPTIONAL – (A) ENVIRONMENTAL CHEMISTRY-VI

Day : *Monday*
Date : *23-04-2018* **S-2018-0790**

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

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate full marks.
 - 3) Draw neat labeled diagrams **WHEREVER** necessary.
 - 4) Both 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) Give the meaning of renewable energy source. How does wood fit into the definition of renewable energy source?
- b) Which are different inorganic and organic components present in the soil? Describe them in detail.
- c) How do petroleum and natural gas become the main energy source of today's world?

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

- a) How do you distinguish between acute and chronic toxicity of pesticides?
- b) "Green Revolution is a success story with some significant drawbacks." Explain these drawbacks.
- c) Discuss in detail, the mode of action of pesticides while controlling the pest.

SECTION-II

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

- a) Describe the process called 'reclamation' in managing the solid waste.
- b) Write a short note on "Incinerators."
- c) The equation for solid waste impact is population × affluence × technology. Explain the equation.

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

- a) Give a detail account of "Sanitary landfills."
- b) Discuss the paper mill industry and solid waste disposal problems associated with it.
- c) Elaborate the concept of Bio-amplification on the basis of "Minamata disease."

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