



**RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES**

B.Sc. (General) Degree in Applied Sciences

Third Year - Semester I Examination – November/December 2016

BIO 3203 – ENVIRONMENTAL POLLUTION

Time: Two (02) hours

Answer four (04) Questions including question No 01

1. Holcim cement (Siyam City Ltd) is one of the major cement production industries in Sri Lanka. Their main production factories are located in Puttlam, Kankasanthura and Galle.
 - a) Mention the reasons for selecting these three sites to establish their main factories.
 - b) List raw materials used in the cement industry and mention the methods of collecting these raw materials.
 - c) State the environmental problems that occur during the production process and explain strategies of minimizing above mentioned problems.
 - d) Describe the term “co processing” and briefly explain co processing methods in this industry
 - e) Discuss the control measures that this factory uses to reduce air pollution during the cement production process

2. Discharging domestic and industrial effluents to the natural water bodies is a common practice in the Asian region.
 - a) Outline the possible ways of water pollution due to discharge of untreated water from households and industries.
 - b) State possible water pollutants released from untreated water and explain the suitable water treatment methods that can be used to minimize this.

3. Write a concise account on solid waste problem, its environmental problems and control measures with special reference to Sri Lanka.
4. Nature of the noise and light pollution are different from air and water pollutions.
 - a) State the difference between noise and light pollution.
 - b) List different sources of lights pollution.
 - c) Explain the major environmental and social problems of noise pollution and its control measures.
5. Write short notes on the following;
 - a) environmental protection license
 - c) legal measures to minimize ozone depletion
 - d) environmental problems due to light pollution

END