



EASERN UNIVERSITY, SRI LANKA

SPECIAL DEGREE EXAMINATION IN CHEMISTRY (PART I) 2015/2016

CHS 04 ENVIRONMENTAL CHEMISTRY

Answer All Questions

Time: One Hour

1. (a) Water is important for all living beings. However, water is polluted by various sources. Discuss the ways in which water is getting polluted. What are the environmental effects of this pollution? What efforts will you take for controlling this type of pollution?

(55 Marks)

- (b) (i) What do you mean by Green Chemistry?

- (ii) Comment upon the statement "Green Chemistry is the alternative tools for reducing environmental pollution"

(45 Marks)

2. (a) Thermal pollution is the degradation of water quality by any process that changes ambient water temperature. Briefly discuss the causes and effects of "Thermal Pollution"

(35 Marks)

- (b) Municipal Council of Batticaloa approach you to get your advice to dispose the different types of solid wastes in the area of Batticaloa Municipality. Briefly discuss the methods that you would suggest to dispose the different types of solid wastes

(35 Marks)

(P.T.O)

- (c) Biofuel production has significantly increased in the past couple of decades with the aim of protecting the environment and ensuring energy independence. Briefly describe the term "Biofuel" and list out the types of biofuels with suitable examples. Discuss the advantages and disadvantages of using biofuels.

(30 Marks)
