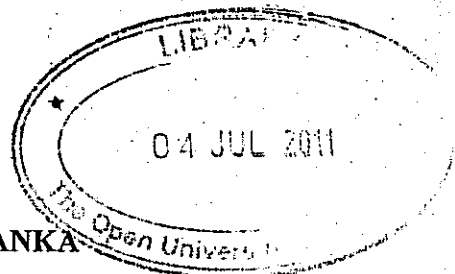




THE OPEN UNIVERSITY OF SRI LANKA  
POSTGRADUATE DIPLOMA IN ENVIRONMENTAL SCIENCES  
LEVEL 7  
NEP 2203/1204 – INDUSTRIAL AND URBAN ENVIRONMENTAL HAZARDS  
FINAL EXAMINATION – 2010 (OPEN BOOK EXAMINATION)  
DURATION: THREE HOURS



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Date: 22 February 2011

Time: 9.30 a.m. – 12.30 p.m. (3hrs)

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**ANSWER ANY FOUR (04) QUESTIONS ONLY**

**PLEASE ENSURE THAT ANSWERS FOR EACH QUESTION SHOULD  
BE GIVEN IN SEPARATE BOOKS**

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1. a). "Organic farming is suggested as an alternative, to present agriculture practices, to make farming sustainable". Discuss its viability in large farms where produce is consumed far away from the farm.
- b). "The need to have cow dung to prepare compost necessitates animal farming, but high-breed cows need protein-rich feed and antibiotics to keep them healthy". Discuss how these issues could be addressed in a small farm by integrating production and consumption, locally.
2. a). "Climate has direct impact on human activities". Discuss this statement in relation to tropical agricultural activities which are mainly manual-based, especially in small farms.
- b). The recommendations to wear protective clothing, when applying herbicides and pesticides, are difficult to adhere to in hot and humid climates. How this problem could be solved?
3. What are the key features of Integrated Water Resources Management (IWRM) and identify the policy principles and its benefits?

4. Discuss in detail the legal provisions in Sri Lanka for control of airborne contaminants.
5. Discuss general characteristics of municipal solid waste generated in Sri Lanka and advantageous/disadvantageous of incinerating that solid waste.
6. We know that the exposure to Radio Frequency signals through the brain causes problems. Could you think of mitigating these effects when you are on a long call?