



The Open University of Sri Lanka
Faculty of Engineering Technology
Technology/ Industrial Studies Program

Final Examination- 2007

AEX4232 Soil and water conservation

Date : 06-05-2008
Time : 0930-1230 hrs

SECTION2: Answer any four (04) questions

1. (a) What are the six main kinds of degradation in the world, as identified by the FAO?

(b) Discuss the harmful effects of soil erosion while highlighting the importance of controlling it with suitable examples in Sri Lanka.
2. Explain the factors affecting the trap efficiency of a reservoir.
Discuss three (03) methods of controlling reservoir sedimentation practised in Sri Lanka.
3. Briefly explain what is meant by 'acceptable limits of soil erosion'.
Discuss how human activities contribute to exceed acceptable level of soil erosion.
4. Write short notes on three (03) of the followings;
 - (i) Gully erosion control
 - (ii) Wind erosion
 - (iii) Forest encroachment
 - (iv) Land use planning
5. Write an essay on the concept of conservation farming including crop and vegetation management and soil management.
6. Briefly describe the soil conservation methods practiced in Sri Lanka.