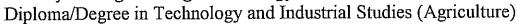
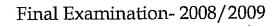
The Open University of Sri Lanka

Faculty of Engineering Technology







AEX3232 Plant and Soil Science

Date

: 10/03/2010

Time

: 0930-1230 hours

SECTION II Answer any four (04) questions

(1) Briefly explain the importance of biological properties of soil on plant growth.

- (2) What are the factors influencing granular formation and development of soil structure and explain them briefly.
- (3) (a) How can you improve the soil aeration in the field?(b) Explain the importance of soil temperature control on crop production
- (4) Discuss the Nitrogen Cycle in detail giving examples for each step.
- (5) Briefly explain the main growth phases of rice (Oryza sativa).
- (6) (a) What are the effects of poor drainage on crop production?(b) Describe how acidity of soil can be controlled to have a good crop production.