

The Open University of Sri Lanka

Faculty of Engineering Technology

Department of Agricultural & Plantation Engineering



Study Programme	: Bachelor of Industrial Studies Honors (Agriculture)
Name of the Examination	: Final Examination
Course Code and Title	: AGX4356/ AGX4540/ AEX4240 Soil Science
Academic Year	: 2019/2020
Date	: 02 October 2020
Time	: 0930-1230 hrs
Duration	: 3 hours

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Registration No: .....

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#### Instructions

1. Contain SIX (06) essay type questions. You are required to answer **ONLY FOUR (04)** questions. You may spend about **two hours** to answer the questions in this section. Answer for each question should commence from a new page.
2. Relevant charts/ codes are provided wherever necessary.
3. Read the questions carefully before answering.
4. **Please note that you should write your registration number in the space provided above. Do not write your name.**

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## SECTION 2

1. Describe how do the soil support for growing plants?
2. Describe different factors which are affecting weathering of minerals?
3. Describe the different factors which are influencing on granule formation and development of soil structure
4. Describe the importance of soil organisms which influence on soil for plant growth with examples.
5. Describe the major divisions of Nitrogen cycle with a suitable diagram and equations
6. Describe effects of organic fertilizer usage on soil chemical and physical properties