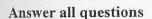
EASTERN UNIVERSITY, SRI LANKA

FIRST YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE - 2010/2011

AC 1101: INTRODUCTORY SOIL SCIENCE

PRACTICAL EXAMINATION March/April 2010



This paper should be answered in English

Time: Three hours



Section I

1. Identify the given minerals from A to J and give the distinguishing characteristics of each of them.

A B C D E F G H I J

2. Identify the given rocks from **K** to **T**. List out the minerals present in them and their type and formation.

K L M N O P Q R S T

3. Identify the given rocks from U to Y. List out the minerals present in them, their groups and location in Sri Lanka.

U V W X Y

Section II

		56	Section 11	
4.	a. Identify the soil groups from \mathbf{p} to \mathbf{t} and their locations.			
	b. Giv	ve the description of the following	g subordinate horizons	
	i.	Oa ,		
	ii.	Bt		
	iii.	Be		
	. c. Cha	naracterize the following land cap	ability subclasses	
	i.	IIe		
	ii.	IIw		
	iii.	IIc		

- 5. a. a. Identify the specimen X, Y and Z.
 - b. Briefly describe the process of the formation of Y.
 - c. Differentiate colour and streak. Give the colour and streak for the following minerals
 - i. Olivine
 - ii. Hematite
 - iii. Talc