The Open University of Sri Lanka B.Sc./B.Ed Degree Programme-Level 05-2010/11 BTU 3105/BTE 5105 – Soils and Plant Growth Assessment Test I (Open Book Test)

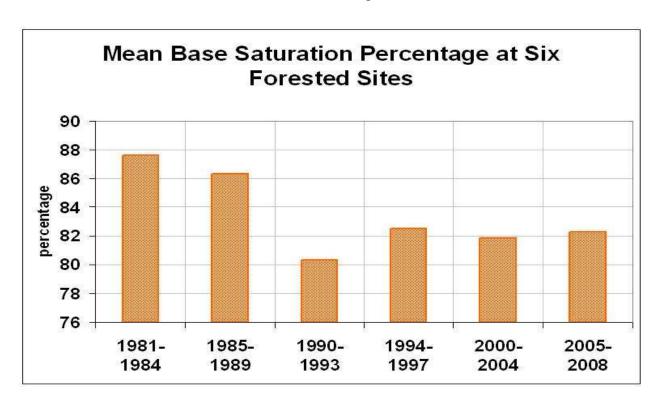
Du	ration – One (01) hour	Reg.No
Dat	te: 26 th February 2010	Time: 11.00 a.m 12.00 noon
Ans	swer all questions on this paper its	self.
The	ere are four (04) questions and fiv	e (05) pages in this question paper.
01.	a. Illustrate in the space below he their origin, formation and proc	ow different types of rocks are related each other with respect to esses they go through.
	b. Distinguish between peat and n	nuck.

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. List three v	vavs through	which soil	structure c	an be altere	d during agri	icultural act	ivities.
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04. The mean base saturation of six forested sites is given below.



a.	How do you explain the variation of Electrical Conductivity (EC) of the above soils?
	Give three possible reasons for the variations over the years.

b.	If the Cation Exchange Capacities (CEC) have remained equal (88% m eqs/100g) over the
	years, what can you say about the pH of above forest soil during different periods?
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c.	What do you mean by Phosphorus retention in soil?
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d.	List the factors which affect on Phosphorus retention in soil.

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