CAT 2 AHS 2204 SOIL CHEIMSTRY TIME 1 HOURS 17/11/2016

Answer all the questions

1(a) Define the following

    i.   Base saturation (1 mk)

    ii.   Leaching requirement(1 mk)

(b) Calculate the base saturation and exchangeable sodium percentage of a soil given the information below (3 mks)

Cations	Me/100g ι..
Na^+,	16
K^+	8
Mg^{2+}	3
Ca^{2+}	15
H^+	0.5
Al^{3+}	7

2. Briefly discuss five factors influencing organic matter decomposition. (10 mks)

3. Illustrate using examples how a sodic soil can be reclaimed. (10 mks)

4. Explain briefly sources of salinity in the soil (5mks)