

BOWEN UNIVERSITY, IWO
DEPARTMENT OF BIOLOGICAL SCIENCES

2010/2011 FIRST SEMESTER EXAMINATION
PLB 403: SOIL SCIENCE
THEORY

Answer **three** questions with at least one question from each section

Time: 2 hrs 15 mins

SECTION A

1. (a) Outline the role of organic manure and bush burning in soil management.
(b) What is green manuring and how is this operation carried out in the farm?
(25 Marks)

2. (a) Water is an important factor in ensuring good agriculture. Explain why.
(b) How can water be maintained in the soil?
(25 Marks)

3. Discuss briefly water, animal-soil relationship
(25 Marks)

SECTION B

4. Write an essay on soil texture
(25 Marks)

5. Describe any **three** chemical properties of soil
(25 Marks)