



FIJI NATIONAL UNIVERSITY
College of Agriculture, Fisheries & Forestry
School of Agriculture
Department of Crop Production
FINAL EXAMINATION: 2015

B.Sc Agriculture IIIrd year: Trimester IInd

SOIL SURVEY AND LAND USE INTERPRETATION (SAC 702)

TOTAL MARKS: 50

TIME ALLOWED: 3:10 HOURS

INSTRUCTIONS:

This paper consists of two (2) pages. Please check to see that your paper is complete.

Answer all questions in the answer booklet.

- Number your answers correctly in the provided answer booklet.
- Write your student ID number on all pages that you use including any additional sheet paper.
- Printed or written study materials are not allowed into the examination hall.
- Mark values appear at the end of each question or part thereof.

"MOBILE PHONES ARE STRICTLY NOT ALLOWED"

WRITE THE SHORT ANSWER FOR GIVEN QUESTIONS

Attempt all questions

1. Explain the type of soil temperature regimes used in soil taxonomy for soil classification. (6 marks)
2. What do you understand with soil survey? Explain the reconnaissance, semi-detailed and detailed soil survey. (6 marks)
3. What do you understand by endopedon. Briefly explain important characteristics of any five (5) of endopedon. (6 marks)
4. List down any six (6) sub ordinate distinction of master horizon with their main features. (6 marks)
5. Explain the Land Capability Classification (LCC) and briefly discuss the structure of capability classes and sub classes. (6 marks)
6. What are the important categories of the soil taxonomy and write the name of soil orders and formative elements of any five soil orders as per Soil Taxonomy. (8 marks)
7. Write the important characteristics of given soil orders. i) Oxisols ii) Entisol iii) Mollisol iv) Vertisol. (12 marks)

END OF EXAMINATION PAPER