

FEDERAL UNIVERSITY OF TECHNOLOGY
SCHOOL OF AGRICULTURE AND AGRICULTURAL TECHNOLOGY
DEPARTMENT OF SOIL SCIENCE AND TECHNOLOGY
2019/2020 HARMATTAN SEMESTER EXAMINATION
SST 503: SOILS SURVEY AND LAND USE PLANNING
TIME: 3 HOURS:

INSTRUCTION: ANSWER FIVE (5) QUESTIONS IN ALL. AT LEAST 2 QUESTIONS FROM EACH SECTION

SECTION A

- 1 (a) Define soil survey
(b) Differentiate between reconnaissance soil survey and detailed soil survey
(c) Discuss the processes involved in carrying out a complete soil survey

 2. (a) Discuss the process of soil formation.
(b) State Crocker's equation and explain the influence of time in soil formation

 3. Write short note on the following;
(i) free survey
(ii) grid survey
(iii) relief
(iv) climosequence
- forma*
forma

SECTION B

- 4 (a) Define land evaluation and state five (5) principles of land evaluation
(b) With examples, explain land characteristics

 - 5 (a) Define land evaluation
(b) State five (5) land qualities for optimum cassava production

 - 6 What is a major land improvement and why is it necessary to improve some land resources before use?.
- Wensh*