## Click to download more NOUN PQ from NounGeeks.com



## NATIONAL OPEN UNIVERSITY OF NIGERIA FACULTY OF AGRICULTURAL SCIENCES DEPARTMENT OF CROP AND SOIL SCIENCES

EXAMINATION: 2021\_1 ... COURSE CODE: SLM 305

COURSE TITLE: Introductory Soil Chemistry, Fertility and Micro-biology

**INSTRUCTIONS**: Answer four questions in all. Question one is compulsory 25 marks and any

three questions 15 marks each. **TIME ALLOWED:** 3 hours

**QUESTIONS** 

1)

- a) List five micro-nutrients that you know. (5 marks)
- b) Explain the roles mycorrhizae plays in the availability of micro nutrients to crops. (10 marks)
- c) Outline the importance of soil fungi in agriculture. (10 marks)
- 2) What do you understand by soil acidity and alkalinity in soil chemistry (10 marks)
- 3) Based on the mode of respiration of soil organisms, explain the term
  - a) Aerobes (5 marks)
  - b) Anaerobes (5 marks)
  - c) Facultative Anaerobes (5 marks)

4)

- a. What are soil fungi.(5 marks)
- b. List the physical and chemical importance of termites in tropical Africa. (10 marks)
- 5) Discuss the importance of soil pH in crop production. (15 marks)