

**BOWEN UNIVERSITY, IWO**  
**COLLEGE OF AGRICULTURE, ENGINEERING, AND SCIENCE**  
**PURE AND APPLIED BIOLOGY PROGRAMME**  
**2022/2023 FIRST SEMESTER EXAMINATION**  
**PAB 403: SOIL ECOLOGY**

**Alternative to Practical**

*Instruction: Answer all questions.*

*Time allowed: 30 minutes*

1. Describe in detail an experiment to investigate a soil sample's approximate relative proportions of solid particles.  
*(15 marks)*
  
2. List and briefly explain the functions of five (5) lab materials required for the testing of pH in a collected soil sample.  
*(10 marks)*