



End Semester Examination Feb/March 2012  
Year II Semester I  
Agricultural Microbiology –EAG 201-2 & Repeat

**Instructions**

Answer four (04) questions

No. of questions : Five (05)

No. of pages : One (01)

Total marks allocated : 100%

Time : Two hours (2 hrs)

1. Write an essay on the industrial importance of Microorganisms.
2. Explain the importance of studying the growth of microorganisms.  
What are the measurement of growth that you can use in the laboratory?.
3. What are stains ? Why do you stain bacterial cells? Explain the differences in the structure of cell wall and the staining reactions of G +ve and G- ve bacteria.
4. Briefly explain the following ;
  - i. Generation time
  - ii. Heat sterilization
5. Write short notes on the following;
  - i. Laboratory Autoclave
  - ii Laminar flow cabinet