

Uva Wellassa University
B.Sc. in Palm & Latex Technology & Value Addition

End Semester Examination Feb/March 2011
Year II Semester I



Basics in Applied Microbiology- PLT 111-2

Instructions

Answer four (04) questions

No. of questions : Five (05)

No. of pages : One (01)

Total marks allocated : 100%

Time : Two hours (2hrs)

1. How do you use microorganisms to convert low value agro produce to convert value added products which are useful for the mankind. Explain giving examples.
2. Explain the growth pattern of a bacterium in a nutrient batch. What are the differences of the growth curves and the cell composition that you would expect in a normal batch culture and a synchronize culture.
3. What are bacterial structures? Explain, how these structures support the growth and survival of bacteria.
4. Briefly explain the following ;
 - i. Control the growth of microorganisms by heat.
 - ii. Continuous culture
5. Write short notes on the following;
 - i. Multiplication of viruses in a host cell
 - ii. Generation time