



Uva Wellassa University, Sri Lanka
End Semester Examination – February/ March 2012
MRT 201-1 Biology for Mineral Science
(Repeat)



Duration: One (01) hour

Total three (03) questions.
Answer all questions.

1.

- i. Name the possible stages of cell cycle. (10marks)
- ii. What is a total count? Name two equipment which can be used for total count. (05marks)
- iii. State the difference between spread plate and pour plate. (10 marks)
- iv. Draw the growth curve of microorganisms and briefly explain the stages. (15 marks)

2.

- i. What is soil? (05 marks)
- ii. List five factors that are required for the growth of micro organisms in soil. (10 marks)
- iii. Write a brief account on the general features and importance of bacteria in soil. (15 marks)

3.

- i. What is biogeochemical cycle? (05 marks)
- ii. What are the three common features of biogeochemical cycle? (06 marks)
- iii. Give two examples each for gaseous cycle and sedimentary cycle. (04 marks)
- iv. Briefly explain cycling of elements in Sulfur (S) cycle or Phosphorus (P) cycle or Iron (Fe) cycle. (15 marks)