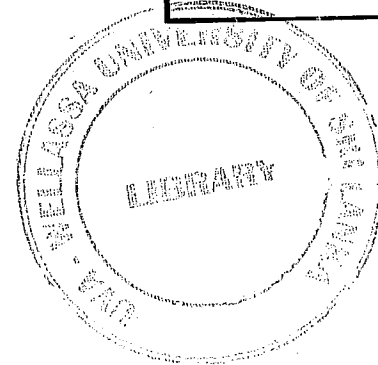


Uva Wellassa University, Sri Lanka
B.Tech. Degree Programme - 2006/07
End Semester Examination- Semester II
June -2008



BIO 205-1 Environmental Biology

Answer Four (4) questions only

Time: One (01) Hour

1. (a) What is the difference between symbiosis and mutualism?
(b) What is the difference between a fundamental and a realized niche?
(c) What are specialists and generalists?
(25 marks)
2. Distinguish between the habitat and the niche of a species. Why is it difficult to define "the human habitat"?
(25 marks)
3. Describe competitive exclusion. How might two species that compete for the same resources coexist?
(25 marks)
4. Write short notes on the followings
(a) Trophic pyramids
(b) Energy Budget
(c) Commensalism and Amensalisms
(25marks)
5. (a) Briefly describe the main steps and discuss microbial involvement in Nitrogen cycle?
(b) How does the legume root nodule enhance the cycling of Nitrogen in an ecosystem?
(25 marks)

