



Uva Wellassa University, Sri Lanka  
Faculty of Science and Technology  
Science and Technology Degree Programme  
1<sup>st</sup> Semester Examination – March/April 2013



SCT 112-2 General Biology  
Part C

1. a. Write the definition of Biodiversity in your own words.

(05 marks)

b. Table below compares the species diversity of two areas.

Group	Area 01 (100 km <sup>2</sup> )		Area 02 (100 km <sup>2</sup> )	
	Number of species	No. of endemic species	Number of species	No. of endemic species
Bees	83	32	48	16
Amphibians	108	99	27	03
Fishes	87	32	19	01
Reptiles	109	63	34	23
Mammals	59	21	12	02

i. Which area has the highest biodiversity? Explain your answer.

(10 marks)

ii. The local government decided to fill the marsh lands of Area 01 and constructs an Industrial Zone. However, environmentalists opposed the idea and they suggest Area 02 is more suitable for this. Do you agree with this idea? Explain your answer.

(10 marks)

iii. What are the economic consequences if Bees get extinct by excessive use of Agrochemicals?

(05 marks)