

Uva Wellassa University, Sri Lanka
End Semester Examination – June 2009
SCT 111-2 Diversity of Life



Time: Two (02) Hours

PART – B : Answer three questions including question number one (1).

- 1) Write short notes on four of the followings,

(I) Generalized virus body structure	(5 marks)
(II) Cell wall of Gram negative bacteria	(5 marks)
(III) Alternation of Generation	(5 marks)
(IV) Genus- <i>Anthoceros</i>	(5 marks)
(V) Angiosperm flower	(5 marks)

- 2) (I) Briefly describe the life cycle of a **named** Chlorophyta (green algae) species *or* Bryophyta (moss) species.

(9 marks)

 (II) Write an account on commercial uses of sea weeds by giving examples.

(6 marks)

- 3) (I) Explain the habitat diversity of Fungi species by giving relevant examples.

(9 marks)

 (II) Briefly describe the applications of fungi in modern technology in relation to the economical improvements?

(6 marks)

- 4) (I) Compare the variations in gametophyte and sporophyte of a named Pterophyta species.

(8 marks)

 (II) Briefly explain the pollination and fertilization in *Pinus caribea* female cone.

(7 marks)