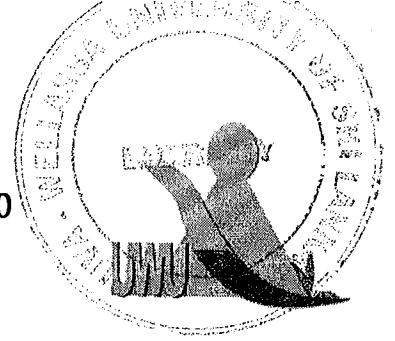


Uva Wellassa University, Sri Lanka
End Semester Examination – January 2010
SCT 212-2 Diversity of life (Repeat)
Time: Two (02) hours



Answer two (02) questions from **Part A** and two (02) questions from **Part B**

Part A

1. (i) What are the four structural characteristics that differentiate chordates from all the other phyla?
(ii) Briefly describe Pharyngeal gill slits of Chordates.

(25 marks)
2. Briefly describe the followings:
(i) Metatheria / pouched animals
(ii) Prototheria- Egg laying mammals

(25 marks)
3. What are the four classes of phylum Cnidaria? Briefly describe them.

(25 marks)

Part B

1. (i) Explain the habitat diversity of Fungi species by giving relevant examples.

(15 marks)

(ii) Briefly describe the economic importance of fungi.

(10 marks)
2. Write short notes on the followings:
 - i. Gametophyte of *Nephrolepis*
 - ii. Angiosperm flower
 - iii. Cell wall of gram positive bacteria
 - iv. Commercial uses of sea weeds
 - v. Sporopollenin

(25 marks)
3. Compare the life cycle of *Ulva* with the life cycle of *Chlamydomonas*.

(25 marks)