

Uva Wellassa University, Sri Lanka
End Semester Examination – March 2011
SCT 112-2 General Biology / Repeat



Time: Two (02) hours

Index Number :

This paper consist of three parts: Part – A, Part – B and Part – C.

Part A – MCQ, Part B – Structured essay, Part C – Essay

Answer all questions in Part A and B and four (04) questions from Part C

Part - C -

Essay – Answer four questions only

- (1.) a. Write a short account on protein denaturation and renaturation (20 marks)
b. What is a Triglyceride (5 marks)

- (2.) Explain the plant leaf organization to perform Photosynthesis. (25 marks)

- (3.) Rose and Jack are expecting a baby. Rose has three brothers while Jack has two. What is the possible sex of the baby? Briefly describe.

- a. Rose and Jack have free earlobes. But Rose's father has attached earlobes.
b. Rose and Jack have free earlobes. But Rose's father has attached earlobes.

Describe the possibilities of the baby having attached or free earlobes using punnet squares.

Note : Free earlobe is the dominant character while attached earlobe is the recessive

character. (25 marks)

- (4.) Write an essay on 'The economic value of biodiversity' (25 marks)

- (5.) a. What is conservation biology? (05 marks)
b. Discuss Strategies for conservation of biodiversity (20 marks)