

Tuesday, 21st November 2006

University of Buea

***Faculty of
Sciences***



***Department of Plant &
Animal Sciences***

ZOO 409

(COMPARATIVE VERTEBRATE PHYSIOLOGY I)
Continuous Assessment (2006-2007)

Instructions: Answer all the Questions (From 1-10)

- (1) What are the basic conditions that qualify a Circulatory System (1.5 Marks)
- (2) Based on the Circulatory System, distinguish between Poikilothermic and Homeothermic Vertebrates (2 Marks)
- (3) Describe the Human Coronary System (4 Marks)
- (4) How are capillary beds locally controlled (4 Marks)
- (5) Differentiate between Autologous and Allogenic transplants of haematopoietic Stem Cells (4 Marks)
- (6) Describe Oxygen transport by the erythrocytes (3 Marks)
- (7) Briefly explain how coagulation is controlled by (a) Antithrombin II and (b) Protein C (2 + 2 = 4 Marks)
- (8) List the factors associated with cardiovascular diseases (2.5 Marks)
- (9) Explain the role of Von Willebrand Factor (1 Mark)
- (10) Describe the hepatic Portal System and explain its physiological role in humans (4 Marks)

Total Marks (30)

Good Luck

Dr. Salah A. Martin