

**UNIVERSITY OF BUEA  
FACULTY OF SCIENCE**

**RESIT EXAMINATIONS FOR 2007/2008 SESSION**

**DEPARTMENT:** PAS

**COURSE INSTRUCTORS:** Salah, Etchu

**MONTH:** Sept 2008

**COURSE CODE:** ZOO 406

**DATE:** 24/09/08

**COURSE TITLE:** Comparative Vertebrate Physiology II

**TIME ALLOWED:** 3 Hours

**DURATION:** 8.00-11.00

**INSTRUCTIONS:** Answer all the two Questions

- .....
- (1) (a) With the aid of a diagram describe the Urea cycle (10 Marks)**  
**(b) Name and describe the three types of Human immunity (10 Marks)**  
**(c) Intercellular communication is subdivided into four classes, Discuss (15 Marks)**

**(Total 35 Marks)**

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- (2) (a) Using a diagrammatic representation of an action Potential, describe:**
- (i) List How the action potential is generated (9 Marks)**
  - (ii) Repolarization of the action Potential (9 Marks)**
  - (iii) The refractory period (7 Marks)**
- (b) Describe the excitation conduction coupling in smooth muscle (10 Marks)**

**(Total 35 Marks)**

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**Grand Total: 70 Marks**

**.....Good Luck.....**