

UNIVERSITY OF BUEA
FACULTY OF SCIENCE
RESIT EXAMINATIONS FOR 2007/2008 SESSION

DEPARTMENT: PAS	COURSE INSTRUCTORS: Salah, Etchu
MONTH: Sept. 2008	COURSE CODE: ZOO 409
DATE: 19/09/08	COURSE TITLE: Comparative Vertebrate Physiology I
TIME ALLOWED: 3 Hours	DURATION: 8-11hrs
INSTRUCTIONS: Answer all the two Questions	

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(1) (a) Describe cellulose digestion in a named ruminant animal (20 Marks)

(b) How does the transport of oxygen (O₂) and carbon dioxide (CO₂) take place in the blood ?(15 Marks)
(Total 35 Marks)

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(2) a) Explain the mechanism of action of different classes of hormones (15 Marks).

- (b) Describe the hormonal control of :**
- ii) Blood calcium levels (5 Marks).**
 - iii) Stress regulation (5 Marks).**

(c) Using a diagram only, present the primary functions of membrane proteins (5 Marks)

(d) With the aid of a diagram, illustrate the functioning of sodium-potassium-ATPase pump (5 Marks).
(Total 35 Marks)

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Grand Total: 70 Marks
.....**Good Luck.....**