

## ZOO 308 Resit (2009/2010 Session)

### SECTION A (30 Marks-Salah)

- (1) How is the Resting membrane Potential generated in a nerve fibre? (6 marks)
- (2) Using a diagram of the action potential only, indicate the movement of ions responsible of depolarization, repolarization and hyperpolarization (4 marks).
- (3) Briefly describe the process of synaptic transmission (8 marks)
- (4) With the aid of a diagram only, present the energy sources necessary for muscle contraction (4 marks)
- (5) Describe the mechanism of hormone action (8 marks)

(30 marks)

### SECTION B (20 Marks-Fokam)

### SECTION C (20 Marks-Sumbele)