SECOND EXAMINATION FOR MEDICAL DEGREES

PHYSIOLOGY II

DECEMBER 2006

TIME: THREE HOURS

Answer all five questions
Answer part A and B in separate answer books

	Part A	
1.0	1.1.2 paleness.	(20 marks) (20 marks) (20 marks)
2.0	Give physiological explanations for the following. 2.1 Increased pulse rate in haemorrhagic shock. 2.2 Low pulse rate in complete heart block. 2.3 Occurrence of hypertension in renal artery stenosis.	(40 marks) (20 marks) (40 marks)
3.0	Describe the role of the following in the regulation of respiration. 3.1 Medullary respiratory centre. 3.2 Stretch receptors in the lung. 3.3 Peripheral chemoreceptors.	(25 marks) (25 marks) (50 marks)
	Part B	
4.0	 Explain the following. 4.1 Nephrogenic diabetes insipidus does not respond to desmopressin. 4.2 Hypernatraemia in Cushing syndrome. 4.3 Anaemia in chronic renal failure is treated with erythropoietin. 	(20 marks) (40 marks) (40 marks)
5.	Write short notes on 5.1 the effects of severe vomiting. 5.2 the regulation of gastric secretion. 5.3 the loop of Henle. 5.4 deafness.	(25 marks) (25 marks) (25 marks) (25 marks)