THE

THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

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MAIN EXAMINATION

MAY - JULY 2019 TRIMESTER

FACULTY OF SCIENCE

DEPARTMENT OF BIOLOGY

SPECIAL / SUPPLEMENTARY EXAMINATION

BIO 307: COMPARATIVE ANIMAL PHYSIOLOGY

Date: JULY 2019 Duration: 2 Hours
INSTRUCTIONS: Answer Question ONE and any other TWO Questions

Q1.	a) Describe six functions of integral proteins	(6 marks)
	b) Explain five transport processes of substances across membranes(5 marks)	
	c) Describe transport of oxygen in primates	(4 marks)
	d) Describe the main pancreatic enzymes and their functions (5 marks)	
	e)State the functions of the kidney	(6 marks)
	f) Outline characteristics of a respiratory tissue	(4 marks)
Q2.	Discuss the cardiac cycle	(20 marks)
Q3.	Discuss systemic and pulmonary circulations	(20 marks)
Q4.	Describe response to heat by humans	(20 marks)

END

Describe the divisions of nervous system and their functions

Q5.

(20 marks)