

ALUPE UNIVERSITY BOWERS Bastion of Knowledge...

P. O.Box 845-50400 Busia(K)

principal@auc.ac.ke
Tel: +254 741 217 185
+254 736 044 469

off Busia-Malaba road

OFFICE OF THE DEPUTY PRINCIPAL ACADEMICS, RESEARCH AND STUDENT AFFAIRS

UNIVERSITY EXAMINATIONS

2020/2021 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER REGULAR MAIN EXAMINATION

FOR THE DEGREE OF BACHELOR OF EDUCATION (ARTS)

COURSE CODE:

GEO 110

COURSE TITLE:

THE EARTH'S PHYSICAL

ENVIRONMENTS

DATE: 23RD FEBRUARY, 2021

TIME: 2.00PM - 5.00PM

INSTRUCTION TO CANDIDATES

• SEE INSIDE

THIS PAPER CONSISTS OF 3 PRINTED PAGES

PLEASE TURN OVER

GEO 110

GEO 110: THE EARTH'S PHYSICAL ENVIRONMENTS

STRE	AM: BED (Arts)	DURATION: 3 Hours	
INST	RUCTIONS TO CANDITATES		
i. ii.	Answer Question ONE any other TWO Questions. Maps, sketches and diagrams should be used whenever they serve to illustrate to answer.		
iii.	Do not write on the question paper		
Quest	ion one		
, a)	Define the following terms as used in the study of the universe	(5 Marks)	
i.	Andromeda		
ii.	Galaxy		
iii.	Milky Way		
iv.	Asteroids		
V.	Planetoids		
b) Exp	lain importance of life layer of concern to geographers	(5 Marks)	
c) Givi	ng examples differentiate between endogenic and exogenic land f	forming processes	
		(5 Marks)	
d)			
i.	State parameters used to categorize layers of atmosphere	(3 Marks)	
ii.	Why is atmospheric layer above 80 km from the lithosphere deso layer	cribed as heterogeneous (2 Marks)	
e)			
i.	Name three types of atmospheric short wavelengths	(3 Marks)	
ii.	Give two factors altering local energy balance in atmosphere	(2 Marks)	
f)			

(2 Marks)

i. Explain the scope of climatology as branch of geography

ii.	Identify the major contribution of the following scholars to the study of clim ((aatology 3 Marks)	
Al	exander Von Humboldt in 1817		
Ga	alileo 1593		
Тс	prricelli 1643		
Question Two			
a)	Explain evidences advanced by geologists to support existence of primordial called Pangea	l continent (14 Marks)	
b)	Describe mechanisms by which crustal rocks move	(6 Marks)	
Question Three			
a) Giv	ving examples, describe formation of sedimentary rocks under the following	(15 Marks)	
i.	Detrital sediments		
ii.	Chemical sediments		
iii.	Organic sediments		
b)	Identify five limitations of isotopic techniques for dating crustal rocks	(5 Marks)	
Question Four			
a)	Explain major causes of atmospheric circulation	(12 Marks)	
b)	Describe the occurrence of the following types of rainfall	(8 Marks)	
i.	Convectional rainfall		
ii.	Orographic rainfall		
Question Five			
a)			
	Using illustrations, explain five human induced causes of global warming	(10 Marks)	
b)	Discuss how geologists employ seismic waves and meteorites to gather infor internal structure of the earth	mation about (10 Marks)	
