INTERIM JOINT MATRICULATION BOARD AHMADU BELLO UNIVERSITY ZARIA

INT	ERIM	I JOINT	MATRICULATION BOARD EXAMINATION	2016			
SUBJECT: DATE SCHEDULED: TIME ALLOWED:			BIOLOGY PAPER II: GENERAL BIOLOGY AND	BIOLOGY PAPER II: GENERAL BIOLOGY AND ZOOLOGY SATURDAY 13 TH FEBRUARY, 2016			
			SATURDAY 13 TH FEBRUARY, 2016				
			THREE HOURS (3 HRS)	THREE HOURS (3 HRS)			
INS	Oue	stion ONF	Answer questions ONE (1) and any THREE (3) other of a carries 40 marks. The others carry 20 marks each. Use arms and examples to illustrate your answer wherever approximately arms are carried to the carrier of the ca	clearly			
1.	a)	Explain	n the following terms:				
		i.	Genetic variations				
			Linkage				
			Crossing over				
		iv.	Colour blindness				
	b)	fathers mother group o	one with blood group AB is a source of dispute between to one with blood group B and the other father with blood of the child has blood group A. Show using crossings lead to the child, disputing fathers and that of the child's mother ong the dispute.	l group O. the how the blood			
	c)	Fill in t	the blank spaces.				
		i.	A nucleotide has three components, namely,				
		ii.	The animal kingdom is made up of many phylogenetic include the followings.	e phyla which			
			merade the rollowings.				
			1. Protozoa				
			2. Coolentratal contaburia				
			3. Platyhelminthes				
			4. Nematoda				
			3. 4000				

2016 IJMBE BIOLOGY II conto	2016	IJMBE	BIOL	OGY	п	contd
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		6. Mollinsca
		7. Arthropoda
		8. Vertebrata
		iii. Three types of animal connectic tissues areand
2.	a)	List any ten characteristics of the phylum. Annelida
	b)	Give TEN (10) importance of earth worms in agriculture.
3.	a)	Using a suitable labeled diagram, show the path of a sound vibration from the pinna to the inner ear naming the structures encountered at each point.
	b)	Briefly discuss the mechanism of hearing.
4.	a)	Explain the term evolution
	b)	In a tabular form state the differences between Darwinism and Lamarkism.
5.	Writ	e notes on any FOUR (4) of the following:
	a)	Pituitary gland
	b)	Sexual reproduction
	c)	Factors affecting growth
	d)	Competitive inhibitors
	e)	Insulin
	f)	Transportation of carbon dioxide in man.
6.	Disc	uss in detail the genetic basis of Natural selection.