



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2020/2021 ACADEMIC YEAR

FOURTH YEAR FIRST SEMESTER

SUPPLEMENTARY/SPECIAL EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF EDUCATION

COURSE CODE: SZL 421

COURSE TITLE: FISH AND FISHERIES BIOLOGY

DATE: 20TH JANUARY 2022 TIME: 11.00 - 1.00 PM

INSTRUCTIONS TO CANDIDATES

Answer Question one (1) and any other two (2) Questions. Question one is compulsory and carries 30 marks, the other Questions carry 20 marks each.

TIME: 2 Hours

This paper consists of 3 printed pages. Please Tur

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KIBU observes ZERO tolerance to examination cheating

1	. (a)	Explain the following concepts/terms	
		i. Evolutionary species concept	
		ii. Phylogenetic species concept	
		iii. Biological species concept	
		iv. Aquaponics	
		v. Cladistics method	(5 marks)
	(b)	Write short notes on Ray fish	(5 marks)
	(c) Explain the challenges facing aquaculture systems in Kenya.		
			(5 marks)
	(d) List the type of fishes cultured in aquaculture systems in Kenya		stems in Kenya
			(5 marks)
	(e)	Write short notes on the blue economy	(5 marks)
	(f) Explain the classification of fishing gear used in fish harvesting		
			(5 marks)
2.	Discu	iscuss locomotion in fishes. (20 marks	
3.	Desci	Describe osmoregulation in fresh water fish (20 marks)	
4.	Discu	Discuss the optimal foraging theory in fish feeding (20 marks)	
5.	Discu	ss the methods used in fish breeding in Kenya	(20 marks)