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0710/2/2022 BIO A/L

SOUTH WEST REGIONAL MOCK EXAMINATION GENERAL EDUCATION

THE TEACHERS' RESOURCE UNIT (TRU) IN COLLABORATION WITH

THE REGIONAL INSPECTORATES OF PEDAGOGY AND

THE SUBJECT TEACHERS' ASSOCIATIONS (STA)

TUESDAY, 25/03/2022 (Afternoon)

ADVANCE LEVEL

Subject Title	BIOLOGY		1		c		
Paper Number	Paper 2	118		10		•	
Subject Code Number	0710						*

THREE HOURS

INSTRUCTIONS TO CANDIDATES:

Answer any FIVE out of the eight questions.

If more than FIVE questions are answered, only the first five will be considered.

All questions carry 20 marks each. For your guidance, the approximate mark for each part of a question is indicated in brackets.

Illustrate your answers wherever desirable with large, clear, fully labeled diagram.

You are reminded of the necessity for good English and orderly presentation in your answers.

In calculations, you are advised to show all the steps in your working, giving your answer at each stage.

Calculators are NOT allowed

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	1.	a) b) c)	Differentiate between an Obligate and facultative parasites	•
for ransi	2.	a)	Draw a well labeled diagram illustrating the synthesis and sprotein	secretion of a
		b)	Write the overall equation for Non-Cyclic photophosphoryl	ation considered as an (10,3,7 marks)
	3.	Dis a) b) c)	ocuss the effects on the environment of Over fishing Disposal of nuclear wastes The use of pesticides and fertilizers	(5,5,10 marks)
	4.	a) b)	Describe the development of a pollen grain in flowering plan Explain the changes that take place during the development fruits after fertilization	nts of the seed and
			·	(10, 10 marks)
	5.	Disc a) b) c) d)	cuss the functions of the skin in relation to Protection Regulation Sensation Secretion Excretion	(5 x 4marks)
	6. ·	a) b)	Draw a well labeled diagram of the transverse section of the c showing the organ of corti How does the ear maintain body balance?	(10, 10 marks)
		b)	Analyse the myogenic nature of the stimulation of the heart Describe the part played by hormones and nervous system in heart rate Describe how lymph is formed	controlling (8, 8, 4 marks)
	. 1	b) c)	What do you understand by Batch fermentation List the techniques involved in genetic engineering State how genetic engineering is useful in the pharmaceutical insulin (5)	production of , 5, 10 marks)