SC5043	
WASSCE 2022	~~
BIOLOGY 3	
Practical	
2 hours	

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THE WEST AFRICAN EXAMINATIONS COUNCIL

West African Senior School Certificate Examination for School Candidates

SC 2022

BIOLOGY 3
PRACTICAL
[80 marks]

2 hours

INSTRUCTIONS TO CANDIDATES

Write your name and index number in ink in the spaces provided above.

Answer all the questions.

Write boldly and legibly in ink (blue or black) and state your answers precisely.

Use 2B pencil to draw where necessary.

In not write answer(s) beyond the spaces provided for the question(s).

Do not write more than one answer on a line.

Do not write on the bar codes at the bottom of the pages.

1)0 not tear off any part of this booklet. It is an examination mulpractice if you do so.

Write your answers in the spaces provided in the question paper,

Write in the space provided below, the QUESTION NUMBERS OF THE QUESTIONS YOU HAVE ANSWERED in the order in which you have answered them.

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SECTION A

[50 marks]

Answer all the questions in this section.

Study		imens B and C and answer questions $1(a)$ to $1(d)$.	×
(a)	(i)	Name the Phylum of each of specimens B and C.	
		B: -	
		C: -	[2 marks]
	(ii)	State three reasons for the answer in $1(a)(i)$.	•
		40	[3 marks]
(b)	(i)	State the Classes of each of specimens B and C. B:	
		C:	[2 marks]
	(ii)		
		В:	
			[3 marks]
П	_)		
			[3 marks

1.

		ences between specimens B and C .
	В	C
	y S	
	4	
	¥)	[5 marks
(ii) State two observable structural similar	rities between specimens B and C.
		[2 marks
(d) N	ame one habitat each of specimens B a	
	B:	
	C:	
		[2 marks
(e) M	ention one way each by which specime	ens B and C are of economic importance.
	B: —	
	C:	
f) Nai	me the organ used for respiration in speci-	men C
-		
		[1 mark]
tudy spe	ecimen F and answer questions 2 (a) to 2 (.	(D).
-	Write the floral formula of specimen E.	
•		
		[6 marks]

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[3 marks]

[1 mark]

		[2 marks
iii)	Remove one of the male reproductive organs of specimen E.	
	Make a drawing, 6 cm to 8 cm long of the removed male organ of	1
	specimen E and label fully.	-
		-
		K.
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	6.00	
	40,	
	× 60,	
	x 5 0 1	
		[8 mark

(iii) What type of fruit would result from the fertilization of specimen E?

Candidate's Name: Describe briefly the mechanism by which the fruit of specimen E is dispersed. [4 marks] SECTION B [30 marks] Answer all the questions in this section. Study specimens G and H and answer questions 3(a) to 3(e). Name the Division to which specimens G and H belong. [2 marks] (ii) State two reasons each for the answers in 3(a)(i). [2 marks] H: [2 marks] (iii) Name one natural habitat each of specimens G and H.

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[2 marks]

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	**	G	ifferences between specimens (
1 	Pare nec			
				9
	5	- 5		[3 marks
(ii)	Give one observa	ble similarity betwe	en specimens G and H.	
		<u> </u>		1 mark
	1			
(c) Stat	te three features of	biological importan	ce of specimen G that adapts it	to to
	mode of life.			
				11.
			100	
			XV	[6 mark
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(d) Lis	st two observable fe	eatures which enable	e specimen H to survive as an e	
(d) Lis	st two observable fe	eatures which enable	e specimen H to survive as an e	
(d) Lis	st two observable fe	eatures which enable	specimen H to survive as an e	epiphyte.
(d) Lis	st two observable fe	eatures which enable	specimen H to survive as an e	
(d) Lis	st two observable fe	eatures which enable	specimen H to survive as an e	epiphyte.
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-	st two observable fe	eatures which enable	specimen H to survive as an e	epiphyte.

2.

(b)

t n	(e)	ate's Name: Make a drawing				a frond of spec	imen
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