## BROAD EXAMINATIONS® P.7 MATHEMATICS EXAMINATION

MID - TERM II 2023

Time allowed: 2 hours 30 minutes.

Personal No.

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		 	- 11	
Candidate's	Name:	 *********	 	
Contract.				

Read the following instructions carefully:

Random No.

- 1. This paper is made up of two sections: A and B.
- Section A has 20 questions (40 Marks).

School Name: ....

- Section B has 12 questions (60 Marks).
- 4. Answer ALL questions in both sections A and B.
- All answers must be written in the space provided in blue or black bull point pens and ink. Only diagrams should be done in pencil.
- 6. Unnecessary crossing of answers will lead to loss of marks.
- Any handwriting, which cannot be easily read, may lead to loss of marks.
- Do not fill anything in the boxes indicated for Examiners' use only.

	Teacher's comment to the learner
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PAGES	MARKS	SIGN
Page 2		
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Page 4		
Page 5		
Page 6		
Page 7		
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Approved by:

SHIP

Team neog Mathematics Dept.

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P.7 Maths Mid - Term II 2023
FOR ACADEMIC EXCELLENCE, AVOID MISSING BROAD HOLERAY PACKAGES, WORK BOOKS & PAST PAPER BOOKLETS.

A.	NIME TANK
1000	
	Work out; 1.8 ÷ 0.03
5.	Solve: m - 9 = 15
3.	Name the shape whose net is shown below.
10.	The exchange rate of a United States dollar in Uganda is Ug shs. 3,700. Find the cost of a trouser which costs Ug shs. 888,000 in US dollars?
3	

1.	Work out the perimeter of the shape below.  15cm 6cm	12.	Using a ruler, a pencil and a pair of compasses only bisect the line PQ below.
	10cm 3cm 9cm		pl q
13.	Use "finite set" or "infinite set" to describe the sets below.  A set of stars on the sky  A set of all counting numbers less than 20	14.	Work out; 4 + *6 using a number line.
15.	Which number was written in standard form to give 2.4 x 10 <sup>-3</sup> ?	16.	Simplify: 3(5 - k) - (2k + 7)
17.	A drone car covered 0.08 km in only 10 seconds. Find its speed in m/s	18.	Prime factorise 100 and write the answer in set notation.

apagama.		T20	Convert 3500 ml to litres.
19.	Peter can slash the compound in 3 hours. Abdul can slash the same compound in 4 hours. What fraction of the compound can they slash in one hour if they work together?	20.	Convers
21.	and Mineral water, 4 draph Ross (8)	Irank	(60 Marks)  Mineral water (M), 10 peop Soda (S)  ral water only, some people drank all the
a)	Use the information above to	Wate	er (m).
	complete the venn diagram below.	(b)	Find the value of y
	n(S) = 10 n(B) n(M)= 26		TO THE MONTHS TO THE BUT WAS A
			. The second second
+	Uca		4. 5.
'	How many people drunk at least two type	s of d	rinka?
	7,00	- or 0	i iiik2t
_	Control of the Contro		
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	Digit	Place value	Value	-	
	2	Tens	7	Program of	
	7	Ones	,	-	
	4	0.00	0,4		
	B	Hundredths	0.3		
					(5 Marks
	tol games w			THE RESERVE AND ADDRESS OF THE PARTY OF THE	
- 11	where line	CD = 4cm and DE	d a pair of co	mpasses only, construc	t a rectangle CDEF
1	where line	CD = 4cm and DE	d a pair of co = 6.4cm,	mpasses only, construc	t a rectangle CDEF
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	easure angl		a pair of co	mpasses only, construc	t a rectangle CDEF
Me	easure angl	e DFE			(5 Marks
Me	easure angl	e DFE			(5 Marks te of 5%, If he withdrev
Me A I	easure angl man depos . 24000 aft	le DFE	a bank whice	n offers an Interest rai	(5 Hark

25.	(a) Study and comple	Quantity	Unit price	Amount
	Grass hoppers	2 cups	Sh	Sh. 14000
	Yellow bananas	clusters	Sh. 2500	Sh
	Sugar	1½ kg Total expenditure	Sh. 4800	Sh Sh. 28700
		Total expension		
(b)	Amanda bought all the she go with?	e items and was give	en a change of s	h. 1300. How much money did (05 Marks)
26.	The table below repre questions that follow	esents a snakes and		oard. Use it to answer the
	21         22         23         2           20         19         18         1           11         12         13         1           10         9         8         7           1         2         3         4	4 25 7 16 4 15 6		orime numbers in the table.
(b)	List all triangular nun table.	nbers from the	c) Tick all sq	uare numbers in the table.
27.	(a) Work out; 4 + 3 = (f	inite 5)		(06 Marks) Monday, what day of the week after 20 days?
				(04 Marks

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(b)	Calculate the area of the shaded part.
	(Of Harles)
31.	Allan bought a phone at sh. 200,000 and later sold it to lan making a profit of 15%. Ian
(a)	How much money did lan pay for the phone?    Sold the same phone to Cathy at a loss of 20%.   How much loss did lan make after selling the phone?
	COE Market
2.	The table below shows the number of Oranges collected by pupils of P.7 from school farm.
	No. of Oranges     12     12     B     15     5     8       No. of pupils     3     2     5     4     6     0
a)	If the mean number of Oranges collected was 9, find the value of K?  (b) What is the modal number of Oranges collected?
	END (05 Marks)