

CONSULT LTD.

NICK EDUCATION CONSULT I PRE-PLE MAGICAL SET I 2023

MATHEMATICS

Time Allowed: 2 Hours 30 Minutes

Random No.			1.14		Personal No.		No.	
	41.224.1	70.	In I	T				No.
	24,5	. book	· v.1		l			
	1000	Acres 15 cm						

Candidate's Name:				
Signature:				
School:	••••••			
District ID No.	-8]	FOR EX	AMINERS'	ÚSE ONLY
Read the following instructions carefully	1 400	PAGES	MARKS	EXR'S NO
1. This paper has two sections: A and B. Sections:		Page 1		

- has
 - 20 questions and Section B has 12 questions.
- 2. Answer all questions. All the working for both sections A and B must be shown in the spaces provided.
- 3. All working must be done using a blue or black ball-point pen or fountain pen. Any work done in pencil other than graphs and diagrams will not be marked.
- 4. No calculators are allowed in the examination room.
- 5. Unnecessary changes in your work may lead to loss of marks.
- 6. Any handwriting that cannot easily be read may lead to loss of marks.
- 7. Do not fill anything in the table indicated: "For Examiners' Use Only"

PAGES	MARKS	EXR'S NO
Page 1		
Page 2		
Page 3		
Page 4		
Page 5		
Page 6	CI FIETUR	30 4 1
Page 7		
Page 8		
Page 9	Haff.	10 m
Page 10		

ror: Ho	liday nackages all kind	
	liday packages, all kinds of Printing, D	ocionina n
and the same	Stationary supplies	esigning, Branding and
The same of the same of	Contact: 0783 170451 1978 Supplies	

4 / 0759 335640 / 0773273486 / 0705031739 / 0705 622644 Email; nickeducationconsult@gmail.com

P.O. Box 108632 Kampala

	SECTIO	NA	4 1
1.	Add 9 4 6 + 2 8	2.	Work out: $\frac{4}{11} - \frac{1}{11}$
3.	Find the next numbers in the	4.	Simplify 8K + 3h - 4h - 3K
	sequence 2, 3, 7, 16,,		In the Venn diagram below,
5.	Write 49009 in words.	6.	shade the complement of solutions
	a grand a separate of a property of a second		
7.	Musana had 20 litres of water. He gave each child $\frac{1}{2}$ litres. How many	8.	A P.7 briefing started at 11:30am and ended at a quarter past 10'clock in the afternoon. For
v	children did he give?		how long was the briefing?
9.	Work out -813	10.	Solve the equation below $2X^2 + 8 = 26$
11.	The bearing of town V from M is 05 the bearing of town M from V	50°. V	Vith the help of a diagram, find

			Lord it
12	Tracy withdrew notes from the bank numbered consecutively from DL3628300 to DL 3628349. If each note was worth shs, 20,000, How much did she withdraw?	13.	Sande bought a shirt and sold it at shs. 15,000 making a loss of shs5,000. Calculate his percentage loss.
The second		V)	TITO-E
14.	If set $P = \{a, b, c, d, e, f\}$ and $R = \{m, d, e, a, f, s\}$. Find the number of subsets that can be got from Set P \cap R.	15.	Find the highest number of pupils that can share 18 or 24 books leaving no reminder.
16.	A motorist drove at a speed of 120km /hr for 40 minutes. What distance did he cover?	17.	Change 0.05 litres to cm ³
18.	A water tank was $\frac{1}{2}$ full of water, $\frac{1}{3}$ of it was drawn from the tank. What fraction of water remained in the tank?	19.	Line PQ is parallel to RS and ABC is an isosceles triangle. Use the diagram to find the value of y in degrees 50% P A Q R B C S

and the same of the same and th	ad a sharp pencil only, construct
20. Using a ruler, a pair of compasses a an angle of 105°	ind a sharp pencil sur,
SECTION B (50 marks)
21. Work out: 0.36 ×1.2 3 marks	b) simplify $\frac{1}{4} + \frac{2}{3} \times \frac{3}{5}$ 3 marks (1)
0:45 × 0.24	
22. If $X = 3$, $y = 2X$ and $Z = 2$. Find the	Subtract 3h + 4 from 5h - 6
value of $\frac{XY}{Z}$ 2 marks	21110113
The state of the s	A) Co. 14 !!!
23. In a class, 28 pupils like meat (No both dishes while 4 pupils do not	1), 2y+ 14 like fish (F) and 8 pupils like like any of the mentioned.
a) Complete the Venn diagram	b) Given that 42 pupils like only
below. 2 marks	one dish, how many pupils like
D(M) =28 D(F) =2V114	fish. 2 marks
n(M) = 28 $n(F) = 2y + 14$	
The state of the s	

a) The LCM of two numbers is 24. 120, of their ratio is 2:5 respectively, find the GCF of the numbers. 3 marks

b)Two bells at kitalya primary school ring at different intervals of every after 30minutes and 40minutes respectively. If they were first heard at 8:30 am for an assembly, at what time will the two bells rings together again? 3 marks

And ground

a) Solve 2X - 2 = 4 (finite 5) 25.

3 marks

b) Assumming today is Thursday, what day of the week was it 48days ago? 2 marks

Hautena Vino Saret mark o bao sessuamente no. : iail :: 2008

26.	Using a ruler, a pair of comp a triangle PAG where PA = 5c	m, PAG	= 90 UI)	0.012	1 -09	f 1 1
		1 1 3	3 1361 4		1700 4n	narks
	July 1990			= 81 0 0	That is a	
	A.V.	1	Sir one			
			,			
e di	कित स्ति क्षेत्र					
	the Meet plan plan to	1				
	200					
						1
		.)				
		15				
		1				
						į.
		1				
-		7-21-22				nav en
 22	Drop a perpendicular from poi	nt A to m	neet line P	PG at poin		ark
14 22 4	Drop a perpendicular from poi	nt A to n	neet line P	PG at poin	t K. Imo	ırk
7.	Drop a perpendicular from point in Opolot's farm, the ratio of continuous the graph of the farm.	ows to g	goats to sh a farm. Fin	neep is 2:3 d the nun	1mc :1 respe ober of c	ctively cows i
7.	In Opolot's farm, the ratio of continuous the farm	ows to g	goats to sh a farm. Fin	neep is 2:3 d the nun	1mc :1 respe ober of c	ctively cows i
7.	In Opolot's farm, the ratio of continuous the farm	ows to g	goats to sh a farm. Fin	neep is 2:3 d the nun	1mc :1 respe ober of c	ctively cows i
7.	In Opolot's farm, the ratio of continuous the farm	ows to g	goats to sh a farm. Fin	neep is 2:3 d the nun	1mc :1 respe ober of c	ctively cows i
7.	In Opolot's farm, the ratio of continuous the farm	ows to g	goats to sh a farm. Fin	neep is 2:3 d the nun	1mc :1 respe ober of c	ctively cows i
7.	In Opolot's farm, the ratio of continuous the farm	ows to g	goats to sh a farm. Fin	neep is 2:3 d the nun	1mc :1 respe ober of c	ctively cows in
7.	In Opolot's farm, the ratio of continuous the farm	ows to g	goats to sh a farm. Fin	neep is 2:3 d the nun	1mc :1 respe ober of c	ctively cows in
7.	In Opolot's farm, the ratio of continuous the farm	ows to g	goats to sh a farm. Fin	neep is 2:3 d the nun	1mc :1 respe ober of c	ctively cows in
7.	In Opolot's farm, the ratio of continuous the farm	ows to g	goats to sh a farm. Fin	neep is 2:3 d the nun	1mc :1 respe ober of c	ctively cows in
7.	In Opolot's farm, the ratio of continuous the farm	ows to g	goats to sh a farm. Fin	neep is 2:3 d the nun	1mc :1 respe ober of c	ctively cows in
7.	In Opolot's farm, the ratio of continuous the farm	ows to g	goats to sh a farm. Fin	neep is 2:3 d the nun	1mc :1 respe ober of c	ctively cows in
7.	In Opolot's farm, the ratio of continuous the farm	ows to g	goats to sh a farm. Fin	neep is 2:3 d the nun	1mc :1 respe ober of c	ctively cows in
7.	In Opolot's farm, the ratio of continuous the farm	ows to g	goats to sh a farm. Fin	neep is 2:3 d the nun	1mc :1 respe ober of c	ctively cows in
7.	In Opolot's farm, the ratio of continuous the farm	ows to g	goats to sh a farm. Fin	neep is 2:3 d the nun	1mc :1 respe ober of c	ctively cows in

Page 5

28.	 a) Khalid is 5 years older than Aymar be 75years. How old is Khalid now 	n. In 15 years time, their total age will 4marks
	b) How old will Ayman be in 20 years	
	and the same of th	s' time? 2marks
29.	The interior angle of a regular po	plygon is 90° more than its exterior
	a) Calculate the size of its exterior angle. 3marks	
Ž.		
30.	Cubes of A were packed into a cul	boid (B)
	6cm 20c	B 30cm
d some	a) How many layers were packed	lmark
-		

Nick Education Consult. Tel: 0783170464/ 0759335640/ 0708300031/ 0705622644 PRE PLE SET I MTC

114	n 15 vegis fine		all reblo stoe	
b) How m	nany cubes (A) w I with cuboid (B)? 3 ma		Calculate the space left in packing all the	ne volume of the n a cuboid after ne cubes.
		× 4 0°	od ar is	
		t that the S		
	left his home at 6:30	O driving	his car and c	rrived at his place
of wor	k 80Km away at 8:30k and went back ho hr, calculate his ave	Dam. If he some through	h the same ro	oute at a speed of
(212/27)				
in the line			6	
4 171 7745				
4				
b) Cho	ange 0015hrs to 12ho	our clock sys	tem	
				lmark
2				
,				
3	e equation y = 2X -		rate de la	elow.
X - 0	axis -3	3 - 2		0
Y-0	oxis -7 3	-5	-3	
1		18	y.o.	4marks
			occ slew as	ii (E
The second				
	The state of the s	*****		
internal	pe pe no pe no pententi della post. Pi no pententi della pententi della pententi di pententi di pententi di pententi di pententi di pententi di p	WISH YOU	SUCCESS ****	Supplier Consult. Let 072: