ROAD EXAMINATIONS®

P.7 MATHEMATICS EXAMINATION PRE-PLE TRIAL SET II 2024

	Time allowed: 2 !	nours 30 minutes			
	Random No.	Personal No.			
		0-01-			
Pupil's Name:					
School Name:					
District Name:					
	wing instructions care			XAMINE SE ONLY	R'S
1 1 1	nde up of two sections: A	and B,	PAGES	MARKS	SIGN
	0 questions (40 Marks).2 questions (60 Marks).		Page 2		
	uestions in both sections	A and B,	Page 3		
	st be written in the space		Page 4	(a) (b)	
	all point pens and ink. Or	nly diagrams should	Page 5		
be done in pen		No. No. of Control of	The second secon		Name and American a
	ossing of answers will lea		Page 6		ones de deserva
	g, which cannot be easily	y read, may lead to	Page 7		de marche de la company
loss of marks. 8. Do not fill anyt	thing in the boxes indicate	ted for	Page 8		
Examiners' use			TOTAL	0 9	d
	r's comment to the		Approved by: AD-C Team Head Mai	thematics t	Nept.

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FOR ACADEMIC EXCELLENCE, AVOID MISSING BROAD HOLIDAY PACKAGES, WORK BOOKS & PAST PAPER BOOKLETS.

1.	Subtract; 3 4 7		Marks)
	Subtract; 3 4 7 -1 2 3	2.	Find the value of 6 in 3679.
3.	Study the Venn diagram below and answer the question that follows. M 1 3 4 5 6 Find n(N - M)'	4.	Find the square root of $20\frac{1}{4}$.
5.	Express 3^1_2 as an improper fraction.	6.	Solve; 8 - 5k = 23
7.	What evening time is shown on the clock face below?	8.	Write the base five number represented on the abacus below. Five fives Fives Ones
•	The cost price of a jacket is sh. 25000. A shopkeeper sold it making a profit of sh. 2500. At what price did he sell the jacket?	10.	The swimming pool at a certain hote measures 10m by 8m by 13m. Work out the volume of the swimming pool

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11.	Without dividing, show that 2607 is divisible by 11.	12.	Find the value of P in $2^P \times 16 = 64$.
13.	Given that $W = \{x, y\}$, list all possible	14.	Use the diagram below to find the
	proper subsets of set W.		bearing of Island R and Island T. Island R Island R
15	The temperature of a place rose from	14	The number of pupils in a class
15.	The temperature of a place rose from -6°C to 20°C. By how many degrees did it rise?	16.	The number of pupils in a class increased from 480 pupils in 2023 to 540 pupils in 2024. In what ratio did the number of pupils increase?
17.	Round off 476 to the nearest hundreds	18.	2
	using a number line.		At Mabira pub, $\frac{2}{5}$ of the people who watched a match between Chelsea FC and Manchester united FC were Arsenal fans. If 243 people were not Arsenal fans, how many Arsenal fans watched the match?

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19.	The following cards were put in a box to choose the questions in a mathematics contest. 2 6 5 7 9 12 16 Find the probability of picking a number that is a multiple of 3.	20.	Twenty poles were planted in a straight line. If the poles were placed at intervals of 5m, find the distance from the first to the last pole.
			e To all power with the region of the color
- 1	The state of the state of		
21.	SECTION .		
۷1.	In a village of 300 people, 120 people p	olant	Coffee (C), 215 people plant Bananas
(a)	(B), some plant both coffee and banana Use the information above to complete	(b)	How many people plant both coffee
(u)	the Venn diagram below. $n(\Sigma)=300$ n(C)=120 $n(B)=215$	(D)	and Bananas?
	$\begin{pmatrix} k \end{pmatrix}$	en int	15. The temperature of a heast-core -6 C to LC C ity how many degre
15	10	7	1231 20 1
(c)	If a farmer is selected at random to be a selecting a farmer who plants both coffe		
2	A TELEPHANES OF THE COLUMN STEELS		(05 Marks)
22.	Study the figure below carefully and us		o answer the questions about it.
	(3m - 1)cm 2m - A)cm (m+5)cm	(a)	Find the value of m.

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(b)	Work out the area of the rectangle above		
			(05 Marks
23.	Given the numeral 20 754:	and the section	to be considered as well and be the best of the consequent to the consequence of the cons
(a)	Given the numeral 20,754; Write the numeral in words.	(b)	Find the quotient of the value of 2 and the value of 5 in the numeral.
		100	in the female and the Rys
	/ (* d)	* ·	
			(05 Mark
24	Study the diagram below carefully and t	ise it	
24.	Study the diagram below carefully and c	Fine	the value of;
		(i)	
	→ D5p+45°		
		1	
	Z 2p+30°		
	Day good to be med have	(ii)	Z vollagett value tak et s
		1 1 11	
a g	800	1	
	V		(04 Mar
25.	In a class, there are 10% less boys tha	n gir	ls. If there are 44 girls in the class,
(a)	Find the percentage of boys.	(b)	How many boys are in the class?
		/	
			(4 ma

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	(a) 30(ve	ioi ii iii 3 -(n -	4) = 2(8 + h).	(b)	Solve and write the solution set for
					$K - 2 > \frac{k}{2} + 6$
					2
	1 100				
					1
	11111	मा - भागी गाँ			
	T. Carlotte				A CONTRACTOR OF THE STATE OF TH
	. 10 10 017 1	9 1 to matheur			The Control of the Co
7	Ct. I it	The first Sapir s	STATE OF STATE		(05 Marks)
7.	Study the	number line	below and use	it to a	nswer the questions about it.
		X		(a)	Write the integer represented by;
		y			(i) w =
	♦ 	1 1 1 1	1 1 1		
	4 3	2 1 0 1 2	3 4 5 6		(ii) x =
			W		(11)
				117	(iii) y =
	Muita tha				
b)	write the	mathematical	sentence for th	ie abo	ve number line.
b)	write the	matnematical	sentence for th	ie abo	ve number line.
b)	write the	matnematical	sentence for th	ie abo	ve number line.
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b)	write the	mathematical	sentence for th	e abo	ve number line.
b)	write the	mathematical	sentence for th	e abo	ve number line.
b)			Find the Jane		(05 Marks
	The timet	able below sho	ows how a bus r	noved	(05 Marks from Town A through Towns B, C and D
	The timet	able below sho	ows how a bus r	noved to ans	(05 Marks from Town A through Towns B, C and I swer the questions about it.
	The timet	able below sho	ows how a bus r fully and use it	noved	(05 Marks from Town A through Towns B, C and I swer the questions about it. How long did it take the bus to move
	The timet	able below sho	ows how a bus r	noved to ans	(05 Marks from Town A through Towns B, C and D
	The timet	able below sho	ows how a bus r fully and use it	noved to ans	(05 Marks from Town A through Towns B, C and I swer the questions about it. How long did it take the bus to move
	The timet	able below sho	ows how a bus r fully and use it Departure	noved to ans	(05 Marks from Town A through Towns B, C and I swer the questions about it. How long did it take the bus to move
	The timet to Town E	able below sho	ows how a bus r fully and use it Departure time	noved to ans	(05 Marks from Town A through Towns B, C and I swer the questions about it. How long did it take the bus to move
	The timet to Town E Town(s)	able below sho . Study it care Arrival time	ows how a bus r fully and use it Departure time 10:00am	noved to ans	(05 Marks from Town A through Towns B, C and I swer the questions about it. How long did it take the bus to move
	The timet to Town E Town(s) A B C	able below show. Study it care Arrival time 11:15am 1:00pm	Departure time 10:00am 11:30am	noved to ans	(05 Marks from Town A through Towns B, C and I swer the questions about it. How long did it take the bus to move
B.8.	The timet to Town E Town(s)	able below show able below it care Arrival time 11:15am	Departure time 10:00am 11:30am 1:20pm	noved to ans	(05 Marks from Town A through Towns B, C and I swer the questions about it. How long did it take the bus to move

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(b)	At what time did the bus leave town D?	(c)	If town A and town E are 98km apart, calculate the average speed for the whole journey.
	to the state of the state of		
		17	
		11	
		1	(06 Marks)
29.	In a seminar, 40% are males and the rest	are	$\frac{2}{2}$ of the females are above 30
	years and $\frac{1}{4}$ of the males are below 30 y	ears	If 30 males are above 30 years,
(a)	how many people attended the	(b)	how many females are below 30
(4)	seminar?	(5)	years?
		. 1	
		. 3	
	The same of the sa		
		٠.	
		18 (19)	The Holleston Brown of the
1	All Adv	100	
		1. 51	scan i ero awada walen a di e eri i sa
1		1.8	(06 Marks)
30.	Study the figure below and use it to an	swer	
50.	M N		William Indiana and American
		o sub	Red to the mer red out the f
	12cm		
Hill			
	P 20cm O		
	If the area of the trapezium MNOP above		
(a)	Find the length MN.	(p)	Find the area of the shaded part.
			• •
	F# 1 VI - X - 4 G L	1	
		1	-Kranchau rezolu
			Mr. of sales
,7)(1)	-1 Of		la l
		1165	(05 Marks)

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31.	(a) Using a ruler where line XY =	, a pe 4.8cn	encil a n.	nd a p	air of o	compass	ses on	ly, con	struct s	quare	WXYZ	hi.
	A 1 11											
	PPS TO											
	pur later de						to the					
	the water of	ue ue	ly may like	Fig	Man			4.45,64	18		mr II	12.
	The section of the section of	10 319	96	2 rates	Legi-		all.					
	da H											
	(b) Measure diag	gonal \	WY.									
32.	The edit fort	15 4	a sw	numbe	er of pu	inils and	d the	marks (ohtaine	d in a	(05 M	arks)
32.	The table below it carefully and	show answe	s the	quest	ions ab	ipils and	d the i	marks o	obtaine	ed in a	(05 M test. S	arks) tudy
32.	The table below it carefully and Marks	show answe	s the	questi 70	ions ab 85	ipils and	d the i	marks o	obtaine	ed in a	(05 M	arks) tudy
	The table below it carefully and Marks No. of pupils	show answe 25	rs the er the 90	quest 70 3	ions ab 85 k	upils and out it.	d the i	marks o	obtaine	ed in a	(05 M test. S	arks) tudy
32.	The table below it carefully and Marks	show answe 25	rs the er the 90	quest 70 3	ions ab 85 k	upils and out it.	d the i	marks o	Jan	ed in a	(05 M test. S	arks) tudy
	The table below it carefully and Marks No. of pupils	show answe 25	rs the er the 90	quest 70 3	ions ab 85 k	upils and out it.	d the i		Jan	ed in a	(05 M test. S	arks) tudy
	The table below it carefully and Marks No. of pupils	show answe 25	rs the er the 90	quest 70 3	ions ab 85 k	upils and out it.	d the		Jan	ed in a	(05 M test. S	larks) tudy
	The table below it carefully and Marks No. of pupils	show answe 25	rs the er the 90	quest 70 3	ions ab 85 k	upils and out it.	d the		Jan	ed in a	(05 M test. S	tudy
	The table below it carefully and Marks No. of pupils	show answe 25	rs the er the 90	quest 70 3	ions ab 85 k	upils and out it.	d the i		Jan	ed in a	(05 M)	tudy
	The table below it carefully and Marks No. of pupils	show answe 25	rs the er the 90	quest 70 3	ions ab 85 k	upils and out it.	d the i		Jan	ed in a	(05 M)	tudy
	The table below it carefully and Marks No. of pupils	show answe 25	rs the er the 90	quest 70 3	ions ab 85 k	upils and out it.	d the i		Jan	ed in a	(05 M) test. S	tudy
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(a)	The table below it carefully and Marks No. of pupils	show answe 25 4	rs the er the 90 1	quest 70 3	ions ab 85 k	upils and out it.	d the		Jan	ed in a	(05 M) test. S	tudy
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3	The table below it carefully and Marks No. of pupils If the mean mar	show answe 25 4	rs the er the 90 1	quest 70 3	ions ab 85 k	upils and out it.	d the i		Jan	ed in a	test. S	larks) tudy

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