BROAD

BROAD EXAMINATIONS®

P.7 MATHEMATICS EXAMINATION PRE – PLE TRIAL SET II 2022

Time allowed: 2 hours 30 minutes.			
Random No. Personal No.			
er Values. 4. Comp. 4. m. Compress.	e id buston		
Pupil's Name:			
School Name:			
District Name:			
Read the following instructions carefully:		EXAMIN	Jan 183
1. This paper is made up of two sections: A and B.	PAGES	MARKS	SIGN
2. Section A has 20 questions (40 Marks).	Page 2		
3. Section B has 12 questions (60 Marks).	D == 2		1
4. Answer ALL questions in both sections A and B.	Page 3		
5. All answers must be written in the space provided in	Page 4	d-nyz s	wed .
blue or black ball point pens and ink. Only diagrams should	Page 5		
be done in pencil.	rage 3		
6. Unnecessary crossing of answers will lead to loss of marks.	Page 6		
7. Any handwriting, which cannot be easily read, may lead to	Page 7		
loss of marks.	Daga 9		
8. Do not fill anything in the boxes indicated for	Page 8		
Examiners' use only.	TOTAL	ald es	.en.ret
	ved by:		
Team	Head Math	ematics D	ept.

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SECTION.A. (40 MARKS)

1	SECTION.A. (
1.	Add 22 + 33	2.	Given that set P = {m, a, n}, list all possible subsets of set P.
	REPRESENTATION OF THE PARTY OF		
		The state of the s	
And Anthony of the An			State of the state
3.	Expand 436 using place values.	4.	Convert 4.5m to centimeters.
William States			5 H 1
		,	
	E-Jul .		
10-3781-1	Find the Lowest Common Multiple of 12 and 15.	6.	Work out: <u>1</u> + <u>3</u> 5 15
		94-	er geniter geniger in der eine stationer
			Brahmatif Giba mang ng manifiguri sa
		1000	
	Draw a symbol for a minh and the		
	Draw a symbol for a right angle below	8.	Manager issued out receipts to customers from receipt number 3486 to 3496. How many receipts did he issue out?
		V C	
		2.7	
		18%	
	Increase 120 pupils in the ratio of 5:3.	10.	Given that $a = 6$, $b = 8$ and $c = 4$. Find the value of $2ab$
			C

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11.	Arrange '4, '3, 0, '1 and '5 in ascending order.		A barbara D
	order.	12.	A cyclist moved from town A to town B at a speed of 30km/hr in just 2 hours. How far is town A from town B?
	Property.		
13.	Docorib a 41	£	
13.	Describe the shaded region below.	14.	If prepresents 6 cups, draw
	LANGAM DAY	5 11	pictures to represent 3 dozens of cups.
			Jan Televiner who i was the televiner
	Make	L Car	an nev ear aryight.
			of the Lie (Sim
			$ (a:z(a)z_{-1}) : $
4E			The state of the s
15.	Using a ruler, a pencil and a pair of compasses, construct an angle of 165°.	16.	The diagram below shows a cylindrical tin full of water. Find its volume
	Ht. 4. 1141 / Inembers 018/ with only o		OT T
,			10cm
	(4- apropaga		
			14cm
17.	Write 0.125 as a vulgar fraction in its	18	3. Solve for x in 5 - x = 7
1	simplest form.		
	the sine of the si	15	
	TO SEE SECTION OF COMME		The strict the
	さい ショー・ナスを く 二		A CALL
			and the state of t
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19	Show "a quarter to 6 o'clock" on the clockface below.	20.	Amos scored the following marks in different series of tests; 18, 11, 22, 9, and 15. Workout his range of the marks scored.
	de la companie de companie de la com		wolled or gen boths a net street
<u> </u>	SECTION B		
21.	left leg (L), some team members use both	legs	while 3 do not play at all. Use the
	information to complete the venn diagram	belo	OW.
(3)	$\Sigma = 22$ $n(R) = 13 \qquad n(L) = 10$ $13 - m \qquad 15 - m$ 3		To determine three a pelatic part of a state of the state
(a)	How many team members play with both legs given that the team consists of 22 members? 13-m+m+10-m+3=22 13+10+3+m-m-m=22 26+0= m = 22 26-26-m = 22-26 0 - m = -4 m=4 + m = +4 + m = +4 +4 +4 +4 +4 +4 +4 +4	(b)	How many members play with only one leg? (13-4) + (10-4) 9 + 6 15 members (6 mode)
22.	Given the numeral 483.05		(6 marks)
(a)	Mais a Maria at the state of th	b)	Find the value of 8 and the value of 5. $8 \Rightarrow (8 \times 10) = 80$ $5 \Rightarrow 5 \times 1 = 0.05$

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(c) Find the sum of value of 8 and t	he value of 5	
Sum 80.00		Charles a market
+ 0.05		to the second of
the contract of the contract o	Table 1	
80.05		The first of the Theory of the Control of the Contr
	or making	27 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
23. Town V and town W are 2001		(5 marks)
23. Town V and town W are 200km a a truck driver takes 2½ hours to	part, if (b)	Jamil covered 320 metres at speed of
from town V to town W, find the	orive	40m/s. How long did the journey take?
at which the truck moves.	speed	8= 40mls
D= 200km	- 1	D=320m
て= 2点かの		7 - 28
5 6-51 21 74 11		T = 32 dw
0 = (200 + 21) Kmlhr.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	KANIS
= (200 + 5) Km/h		7
(200: 5) Kmih	DD 5.11 Quiet	1 = 8 sec.
= (200 X =) =0 X 6		
	Kmlhr	(E mode)
24. In a class of 80 pupils, 3 are girls a	and the rest a	(5 marks)
	and the rest t	are boys.
(a) Find the fraction for boys.	(b)	How many girls are in the class?
Girl Boh -: fr	e od	
3 5 0	WAS	Hod ann.
5-3 8-2	ah	3/ X Public
5 5 6 2	4	6
	15	
		(3x16) propiles
0		() 11 J 10 1 N
		48 Puplus (SILL).
) If ¼ of the boys do not have full sc	hool uniform	and 1/3 of the girls have full school
uniform, how many pupils have full	l school unifo	orm in the class?
wholf uniform (32	-8)	1600th had schon,
1 0 (80-48)	(1)	
7 8 = 2	Janh 1	Mo of Pupil having foll
1 x 32	100	Unitorn
4	H	
= 8 bays with sch. 3 of	-4-8	(24+16)
BONS with sch. 3	14	
	428	= 40 puple
uniform 3		(6 marks)
		Page 5 of 8

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25.		0,000	and bought the following items.
	2kg of meat at sh. 12000 @ kg		
	1½ kg of rice at sh. 4000 @ kg		OF THE STATE OF TH
3	2.5 litres of cocacola soda at sh. 5,500.		
	500g of onions at sh. 3600 per kilogram.		
(a)	How much money did she pay	(b)	If she was given a discount of 10%, how
1	altogether?	(5)	much change did she get?
			mach change and sile get:
İ	Ment		
	Things to anatom U.S. Dallarin . fings. (d)	1	them to a little that the second of the control of the
	12000 out tob your word a mile		a man du er taken 255 heims to direc
1	X	h	and orth both. Without of Victoria most
(51	24000		epwore dare or the safet to
-	The Species		get by the the think the
	1.2 + 5		
	W. K.	1	
	76/1+ 1++		which the constraint
4		+	
26			(5 marks)
26.	Study the figure below and use it to answ	ver th	e questions that follow.
,			2.73
	18m	Mile	1. 1 2 h C
	Ти темен С.		
	13m \16m	नुष नहीं	in a flats of 80 papils. If are girlt and t
	\delta 6m→l	4	and to be that for both as
			STATE OF SECTION SECTI
(a)	Work out its area.	(b)	
(a)	Work out its area.	(b)	Work out the distance around the
(a)	Work out its area.	(b)	8
(a)	Work out its area.	(b)	Work out the distance around the
(a)	Work out its area.	(b)	Work out the distance around the
(a)	Work out its area.	(b)	Work out the distance around the
(a)	Work out its area.	(b)	Work out the distance around the
(a)	Work out its area.	(b)	Work out the distance around the
(a)	Work out its area.	(b)	Work out the distance around the
(a)	Work out its area.	(b)	Work out the distance around the
(a)	Work out its area.	(b)	Work out the distance around the
(a)	Work out its area.		Work out the distance around the
	Work out its area.		Work out the distance around the figure above.
	(a) Simplify the following using a		Work out the distance around the figure above.
	(a) Simplify the following using a number line.		Work out the distance around the figure above.
	(a) Simplify the following using a		Work out the distance around the figure above.
	(a) Simplify the following using a number line.	(b)	Work out the distance around the figure above. (4 marks)
	(a) Simplify the following using a number line.		Work out the distance around the figure above. (4 marks)
	(a) Simplify the following using a number line3 + +7	(b)	Work out the distance around the figure above. (4 marks)
	(a) Simplify the following using a number line3 + +7	(b)	Work out the distance around the figure above. (4 marks)
	(a) Simplify the following using a number line.	(b)	Work out the distance around the figure above. (4 marks)
	(a) Simplify the following using a number line3 + +7	(b)	Work out the distance around the figure above. (4 marks)
	(a) Simplify the following using a number line3 + +7	(b)	Work out the distance around the figure above. (4 marks)
27.	(a) Simplify the following using a number line3 + +7	(b)	Work out the distance around the figure above. (4 marks)
	(a) Simplify the following using a number line3 + +7	(b)	Work out the distance around the figure above. (4 marks)

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28.) that	offers an interest and the
-	withdrew his money after 5 years,	criaci	p.a. If he
(a)	How much interest did he receive?	(b)	Calculate the total amount of money he received after 5 years.
Present of the control of the contro			
-			(4 marks)
28.	(a) Using a ruler, a pencil and a pair of c line HE = 6.5cm and line EN = 4cm.	ompas	ses, construct rectangle HENS where
			-
(b)	Measure diagonal ES.		
			(5 marks)
30.	Two bells rang at intervals of 15 minutes 11:45a.m;		
(a)	After how long will they ring together again?	(b)	At what time will they ring together again?
		1 1	(P == = alra)
			(5 marks)
			Page 7 of 8

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ne information ows => 13 oats => 16 chers = 7	below shows t	The second secon	of animals on A		7 Parker Land	irke)
ne information ows => 13 oats => 16 chers = 7	below shows t	The second secon	of animals on A			irke)
ne information ows ⇒ 13 oats ⇒ 16 chers = 7	below shows t	PARAMETER AND THE ANALYSIS AND THE ANALY	of animals on A	Ar. Alinethu's	(5 ma	irke)
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Combra division from						
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		ites. If they ring together a set time will they ring toget	and 25 minutes. If they ring together a	of 15 minutes and 25 minutes. If they ring together a cogether (b) At what time will they ring together	(5) at intervals of 15 minutes and 25 minutes. If they ring together a solf they ring together (and they ring together will they ring together	we held to a self-thervals of 15 minutes and 25 minutes. If they ring together a feet and they are together with they ring together. Into the what time will they ring together.

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