BROAD

Random No.

BROAD EXAMINATIONS®

P.7 MATHEMATICS EXAMINATION PRE – PLE TRIAL SET III 2023

Time allowed: 2 hours 30 minutes.

Personal No.

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1. T	i the fol his pape	er is t	nade	up o	f two	secti	ons:	A and	B.				FOI	R EXAMINE USE ONLY	
2. S	ection A	has	20 q	uestic	ons (4	10 M	arks)					PAGES	MARKS	SIGN
3. S	ection E	has	12 q	uestic	ns ((50 M	arks).				-	Page 2		
4. A	inswer A	LL	ques	tions	in bo	th se	ction	s A aı	nd B.		r		Page 3		
5. A	All answ	ers it	ust b	e wri	tten	in the	spac	e pro	vided	bi		-	Page 4	1	
S	blue or black ball point pens and ink. Only diagrams should be done in pencil. Unnecessary crossing of answers will tend to less of mark									arks	s	Page 5 Page 6	*		
	any hand											_	Page 7		
100	oss of m Do not fi			g in t	he bo	oxes i	ndic	ntad fi).T	=		-	Page 8		
I	xamine	rs' us	e on	γ.			o Star V	Mill Contraction					TOTAL		
The state of the s	Te	ach	er's	Com	mer	nt to			ner 		A THE R. P. LEWIS CO., LANSING, MICH. 40, 100, 100, 100, 100, 100, 100, 100,		Approved b	y:	Department

PLE REVISION TIPS

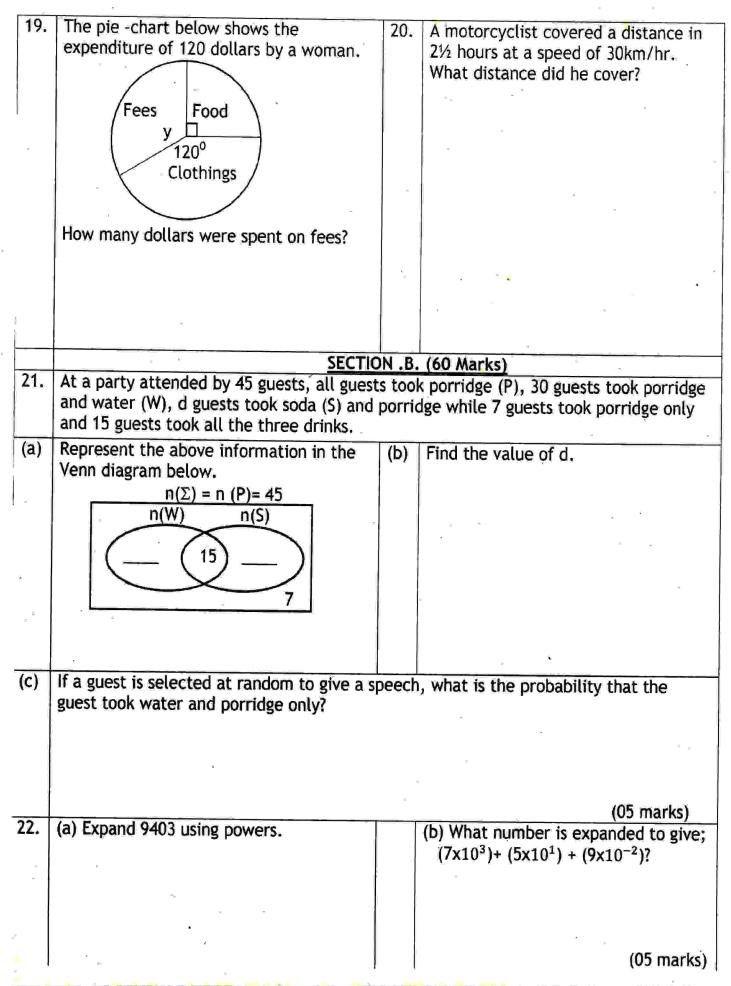
in groups share these concepts from P.6 Jerm I work;

- Listing and finding subsets
- *Complement of sets
- "Divisibility tests
- *Types of numbers *Application of median in and range on types of numbers *Difference between listed elements and number of elements in a Venn diagram.

Page 1 of 8

	SECTION .A.		
1.	Add 57 to 23.	2.	List all multiples of 4 less than 20.
			And the second of the second s
[ATICS EXAMINAT	× 1	HHTAM TU Z
	THE PROPERTY AND ADDRESS OF THE PARTY OF THE		No. of the contract of the con
3.	8	4.	Set Y = {0,1,2,3,4,5}
	What is 2 of 18 cows?	K 121	Set X = {5,7,0,2,3,4,5}
		- *	Find Yu.V
	- Seguern	8	rind XO1.
		v N	
5.	Chamista 22 Pds	Z.	Weits in Gausses
٠,	Simplify: "3 - *4	6.	Write in figures; Three hundred fourteen thousand
			forty nine.
	as model freedom		
	No.		x
	- 191 		
/ .	How many lines of folding symmetry has	8.	Work out: $5^4 \div 5^2$
	the figure below?		
	/ > /		
			1
	<i>f f</i>		· 15
	Assessment that the standard of 0.200 mg	40	
9.	An examination that started at 8:30am took 21/4 hours. Show the time it ended	10.	Divide: 16\3680
) -	on the clock face below.		3000
	on the clock face below.		-
	11 12 1		
	10 2	-	
	a a		,
-	6 5		· с
		-	₹ 2
11,	Paul exchanged 150 US dollars for Ug sh.	12.	Given that 3:5 = n:25, find the value
- "	540,000. What was the exchange rate?		of n.
<	3 "		s v v v
		1	s
	•		
	* * * * * * * * * * * * * * * * * * *		

13.	Find the area of the figure below;	14.	Using a ruler, a pencil and a pair of compasses only, construct an angle of 105° .
	7dm /10dm	>	\$
	12dm		
			•
15	The		
15.	The average mass of 16 boxes is 50g. What is their total mass?	16.	Multiply: 101 _{two} x 11 _{two}
	-		and the state of t
	• .		= = = = = = = = = = = = = = = = = = =
	*		
	- ′		* .
17.	Shilling notes in a bundle are numbered	18.	What mathematical finite statement
	consecutively from AP7300583 to AP7300610. How many notes are in the	10.	is shown on the dial below?
	bundle?		
	•		0
	*		((4 (1)))
,			3 2
			PA
			,
		1	



	*			
23.	(a) Find the next two equivalent numbers in finite 6. 4(finite 6) = 4,10, 16,,	26	(b) What is the number when by 7 leaves 5 as a remainder when divided by 10 leaves 2 remainder?	and
¥			=	
	-	=		^
2.4	The Clark Line		(0	5 marks)
24.	The figure below is an isosceles trapezium	with	a circle enclosed inside. Give	n that
	the area of the circle is $38\frac{1}{2}$ cm ² . Use it to a	ınswe	r the question that follows.	
	28m		ulate the area of the shaded	region.
				2
	25m			
		•.	•	
	ATTICK ATTICLE		3	
1				
			* .	
25.	Study the Venn diagram below and annual		Sana that Cillani	(04 Marks)
25.	Study the Venn diagram below and answer	ques	tions that follow.	
^	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			
			s	
	Given that the LCM of P and Q is 420;			
(a)	Find the value of y.		(b) Work out their GCF.	
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				=
1	-		•	
				>
	•			
	•			Calination
	*		(04 Marks)
		1		

21		2										
26.	In a school, $\frac{3}{5}$ are girls and the rest are boys. Given that $\frac{3}{4}$ of the girls have school											
	uniform, ½	of the boys do	not have scho	ol unif	orm and 210 boys have school uniform.							
(a)	How many pu	upils are in th	e school?	(b)								
	, , , , , , , , , , , , , , , , , , ,	-pro-tare in th	e seriood	(0)	How many pupils altogether do not have school uniform?							
	1		*	<	nave school amorni:							
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				=								
		ন			9							
27.					(06 Marks)							
27.	A parent has	two children;	Joy and Heleb	. Hele	b is $\frac{1}{3}$ his father's age while Joy is four							
	years younge	r than Heleb.	The total age	of the	two children is ½ of the father's age.							
			*		, 3,,							
(a)	How old is th	e father?		(b)	Find the age of each child.							
		-										
			ge:									
					-							
	1											
		* 4	-	1	(05 Marks)							
28.	The many we	al. of Fig.										
20.				of 7 o	ther scores is 60.							
.		otal mark of a	all the 12		(b) What will be the average score if							
. =	scores.				a score of 63 is included?							
			×									
		a.			·							
1					(05 Marks)							
29.	The table belo	ow shows the	hundre and col	ling of								
	table per	on onows the	buying and set	(a)	some currencies in Uganda shillings. How many Us dollars will Peter get							
	CURRENCY	BUYING	SELLING	(4)	for Ugsh.180,000?							
	1 US Dollar	Ugsh.3550	Ugsh. 3600		101 05511.100,000;							
	1 Kenya	Ugsh.25	Ugsh.28									
	Shilling	- <u>-</u>	3520									
*	1 Rwanda	Ugsh.4	Ugsh.5									
1	Franc	•			,							
j												
					*							

(b)	A coat in Kenya costs Ksh. 6000. Find the price of the coat in Rwanda Francs.
	The coat in twanda Francs:
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	home
30.	The cylindrical tank bolow contains asset of the cylindrical tank bolow contains as a cylindrical tank cyli
	The cylindrical tank below contains some water. Study and use it to answer questions that follow.
*70	
	(a) How much water is needed to fill the
	$\tanh ? (\pi = \frac{22}{5})$
	60cm
	HT 1555555
As .	
	140cm
(b)	If the feet of 5 of the control of t
(5)	If the tank is $\frac{5}{11}$ full, find the height of the water in the tank.
_	*
The second	
	(05 Marks)
31.	A school is 600 metres from a mosque on a bearing of 055° and a hospital is 750
	metres from a school on a bearing of 165°.
(a)	Using a scale of 1 cm to represent 100 metres, draw an accurate diagram to show the
	positions of the three places.
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(b)	Wo	rk ou	it the	short	est d	istance	e from	the m	osque	to th	ne hos	oital i	n met	res.	-	=
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32.	The	gra	ph be	elow s	hows	the j	ourney	/ made	e bv a	nuni	l from	hom	e to s	chool	(06 M	arks)
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