PRITHWI SECONDARY BOARDING SCHOOL

Basundhara, Kathmandu, Contact: 01-5904816

	ANNUAL	EXAMINATION - 2077	
Grade: VII Subject: Compulsory Mat Time: 1 hour 30 minutes	hematics		Full Marks: 50 Pass Marks: 20
	Group A	A [20 * 1 = 20]	
1) Select the correc	t answer from the	given options.	
a) The greatest numb	per that divides 12	and 18 without leaving r	emainder is:
i) 3	ii) 6	iii) 9	
b) Which of the foll	owing number is ex	xactly divisible by 6:	
i) 456	ii) 441	iii) 455	
c) What is the L. C.	M. of 12and 18?		
i) 24	ii) 36	iii) 60	
d) If the L.C.M. of 8	8 and 12 is 24, then	its H.C.F. will be:	
i) 2	ii) 4	iii) 6	
e) What is the produ	ct of 4 and sum of	5 and 7?	
i) 48	ii) 36	iii) 24	
f) What is the produc	ct of $(-3)\times(+9)\times(-3)$	-2)?	
i) (-52)	ii) (-54)	iii) (+54)	
g) What is the quotie	ent of $(-72) \div (+9)$?		
i) (+8)	ii) (-8)	iii) -64	
h) 12/12 rose plants many plants are there	-	ne length and breadth of	a square garden. How
i) 144	ii) 36	iii) 256	
i) What is the square	e of 0.9		
i) 0.81	ii) 8.10	iii) 0.081	
j) After simplifying	of $18 - \{ 5 - (7 + 8) \}$	3)} we get:	
i) 8	ii) 18	iii) 28	
k) The simplified for	rm of $\sqrt[3]{8x27}$ is:		
i) 5	ii) 6	iii) 8	
1) Centimeters are th	ere in 3.6 meters.		

iii) 3600cm

i) 360cm

ii) 36cm

m) What is the ratio	of 15 cm and 12d	em. Add:
i) 4:5	ii) 5:4	iii) 5:3
n) What is the value	of $\frac{5}{6}$ of 480?	
i) 450	ii) 400	iii) 550
o) What is the value	of 25% of 360?	
i) 50	ii) 60	iii) 90
p) If $x=2$ and $y = 0$.	What is the value	$x = x^{y}$.
i) 1	ii) 2	iii) 0
q) What is the produ	ct of $(-5ab) \times (-2ab)$	$(2abc) \times bc$.
i) $-10a^2b^2c^2$	ii) $10a^2b^3c^2$	$iii) - 10a^2b^3c^2$
r) What is the quotie	$nt of 28(xy)^3 \div 4($	$(xy)^2$?
i) 7xy	ii) $7(xy)^2$	iii) 8xy
s) If x° and 75° make	e an angle halftur	n, then the size of x° is:
i) 125°	ii) 115°	iii) 105°
t) The size of acute a	ungles of a right-a	angled isosceles triangle is:
i) 90°	ii) 45°	iii) 30°
	Grou	p B [10 * 1 = 10]
2) Fill in the blank	\mathbf{s}	
a) If the antecedent i	s 9 and conseque	ent is 5, the ratio is
b) The unit cost of a	pen drive is Rs 4	50, then the cost of 4 pen drives =
c) The expanded for	ms of 0.68 =	
d) The product of tw	o integers of opp	osite sign is a integer.
e) The expanded for	ms of $(m + n)^2$ is	
f) The product of (a	+ b) (a – b) is	
g) If two opposite int the size of the exterior		n exterior angle of a triangle are 50° and 70° , the
h) If p° and q° are a	pair of co-interio	or angles between the parallel lines, then $p^{o} + c$
i) If a° and 115° are t	the opposite angle	es of a parallelogram, then $a^{o} =$
j) The sum of the in the formula	•	polygon with n number of sides is obtained b

Group C
$$[5 * 4 = 20]$$

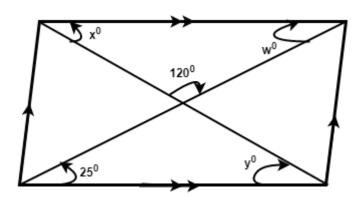
3) Simplify: $21 \div [5 + 16 \div 2\{6 - 18 \div (7 + 2)\}]$

4) 10 workers can finish a piece of work in 18 days. How many workers are required to finish the work in 12 days.

5) Simplify:
$$\frac{3}{10} + \left\{ \frac{4}{15} + \frac{2}{3} \left(\frac{16}{25} \div \frac{4}{5} + \frac{1}{10} \right) \right\}$$
.

6) Multiply: $(3x^2 + 2x - 4)$ by (2x - 3).

7) Calculate the unknown sizes of the angles of the adjoining parallelogram.



Best Wishes!!!