

Sl No	UNIT	M.C.Q	Knowledge			Understanding					Application			Skill					marks	Question									
			V.S.A	S.A	L.A I	L.A II	M.C.Q	V.S.A	S.A	L.A I	L.A II	M.C.Q	V.S.A	S.A	L.A I	L.A II	M.C.Q	V.S.A			S.A	L.A I	L.A II						
01	Playing with nos	1(1)		1(1)																									
02	Algebraic Express	1(1)																									05	03	
03	Square and Squares																											08	04
04	Axioms, P & T																											07	03
05	Factorisation																											03	02
06	Theorem on Triangle																											05	03
07	Rational nos	1(1)																										09	04
	Total	1(2)	1(1)	2(2)		1(1)	1(1)	2(2)	3(3) u(1)	1(1)	2(2)	3(1)									1(1)	2(1)					40	21	
	marks			07 marks				19 marks																				40	21
	Percentage			17.5%				47.5%																				100%	100%

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* Brackets no. indicates no. of Questions * out of bracket indicates no. of marks

Date _____

Sep - 2017

Time - 90 min

Marks - 40

Class - 8th std

Sub - Maths

I Multiple choice Questions

1x4=4

1) Square of 17 is

- a) 144 b) 225 c) 289 d) 196

2) Factor of ~~(a+b)~~ $(a^2 - b^2)$ is

- a) $(a+b)(a+b)$ b) $(a-b)(a-b)$
c) $(a+b)(a^2+b^2)$ d) $(a+b)(a-b)$

3) If two Angles are complementary, then their sum is

- a) 90° b) 180° c) 360° d) 0°

4) The general form of 132 is

- a) $(2 \times 100) + (3 \times 10) + (1 \times 1)$ b) $(1 \times 100) + (3 \times 10) + (2 \times 1)$
c) $(1 \times 100) + (2 \times 10) + (3 \times 1)$ d) $(2 \times 100) + (1 \times 10) + (3 \times 1)$

II Fill in the Blanks

1x3=3

5) Add $7a^2b$ and $12a^2b$, _____

6) $(A+B)^2 =$ _____

7) Commutative property of addition, $m+n =$ _____

III match the following

1x2=2

8)



a) Acute angled triangle

b) Scalene triangle

9)



c) obtuse Angled triangle

IV Solve the following

$$2 \times 7 = 14$$

10) 8 and 31 Find the Quotient and the Remainder the number is divided by 13

11) Construct a 3×3 magic square using the numbers from 9 to 17

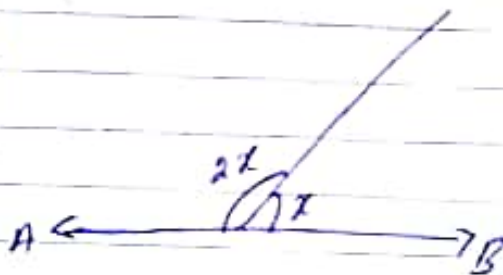
12) Find the following in Increasing order
21, -8, -26, 85, 33, -333, -210, 0, 2011

13) Simplify $(2m^3 + 3m)(5m - 1)$

14) Factorise $x^2 + 14x + 49$

15) Factorise $4a^2 - 25$

16)



Find the value of x

V Solve the following

$$3 \times 3 = 9$$

17) Find the cube root of 10648 by prime factorisation

18) Find the Largest perfect square of 11280

19) Prove that "In any triangle, the sum of the three interior angles is 180° ."

VI Solve the following

20) i) What is Equilateral triangle? write Example

ii) In a triangle ABC, if $\angle A = 55^\circ$ and $\angle B = 40^\circ$ - and find $\angle C$

21) i) Find the product of $(a+3)(a+5)$

ii) Use the Identity $(a-b)^2 = a^2 - 2ab + b^2$ and Evaluate $(2-6)^2$