BLUE PRINT FOR PERIODIC TEST 1 2017-2018

CLASS : IX SUB : MATHS

Sr No	CHAPTERS	VSA	SA1	SA2	LA	TOTAL
1	NUMBER SYSTEMS	1(1)	1(2)	1(3)	1(4)	3(10)
2	POLYNOMIALS	1(1)	1(2)	1(3)	1(4)	3(10)
3	COORDINATE GEOMETRY	1(1)	1(2)	1(3)	1(4)	2(9)
4	LINEAR EQUATIONS IN TWO VARIABLES	--	--	1(3)	1(4)	3(8)
5	INTRODUCTION TO EUCLID'S GEOMETRY	1(1)	1(2)	--	--	2(3)
TOTAL		4(4)	4(8)	4(12)	4(16)	16(40)

PATTERN OF QUESTION PAPER

MARK	NO OF QUESTIONS	TOTAL MARKS
1	4	04
2	4	08
3	4	12
4	4	16
TOTAL		40

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PERIODIC TEST-1 SESSION : 2018-19

CLASS : IX SUB: MATHS TIME : $1\frac{1}{2}$ hrs

Instructions :

All questions are compulsory. Section A contains 4 questions of 1 mark each, Section B contains 4 questions of 2 marks each , Section C contains 4 questions of 3 marks each , Section D contains 4 questions of 4 march each.(use only one graph paper for Q.15 and Q.16)

SECTION A

1) Find an irrational number between 1 and 2.

2) Define parallel lines.

3) The y – coordinate of a point is called as _____.

4) The degree of the given polynomial is x^5+1 is ____

SECTION B

5) Express 7.88…. in $\frac{p}{q}$ form.

6) Factorise $(2x + 4)^2 - 1$

7) If AC =BD , then prove that AB = CD

8) Where do these points lie on the Cartesian system ? (0,8) (1,– 2) (6 ,0) (−4,5)

SECTION C

9) Locate $\sqrt{3}$ on number line.

10) Factorise $6x^2+17x+5$

11) Find three solutions of the equation $2x + y = 3$

12) Find the value of k if x+2 and y=1 is a solution of $2x + 3y = k$.

SECTION D

13)) (i) Expand: $(3a - 7b - c)^2$ (ii) Evaluate: 998^3

14) (i)Rationalise the denominator : $\frac{5}{\sqrt{7}-\sqrt{2}}$ (ii)) Simplify : $9^{½} \times 4^{1/2}$

15)Plot the given points A (3 ,0) , B (3 ,3) and C (0,3) on a graph and join them . Which figure you get?

16) Draw the graph of the equation $y = 2x - 4$

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