14th SRS ALL GOA VEDIC MATHEMATICS TEST (SRS-AGVMT)

************* (Category 3 - Std. IX & X) *************

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------------- Sample Question Paper -------------

Q.N.	Problem	Rough Work (Not Compulsory)	Q.N.	Final Answer
1	Square of 7998		1	
2	Square of 3888		2	
3	Sqaure of 2739		3	
4	Square of 1297		4	
5	Cube root of 2097152		5	
6	Cube root of 40707584		6	
7	Cube root of 311665752		7	
8	Square root of 421201		8	
9	Cube of 1.07		9	
10	Cube of 994		10	
11	120411 ÷ 125		11	
12	32407 x 25		12	
13	4048 x 4068		13	
14	6989 x 7053		14	
15	108 x 104 x 107		15	
16	106 x 96 x 92		16	
17	109 x 103 x 94		17	
18	HCF and LCM of 8580 and 28860		18	HCF: LCM:
19	HCF and LCM of 16863 and 4620		19	HCF: LCM:
20	Digit-sum of 47263199172452		20	
21	Complement of 69019800		21	
22	Is number 318494 divisible by 11 ? (Yes/No)		22	
23	Is number 16442 divisible by 7 ? (Yes/No)		23	
24	Is number 55003 divisible by 13 ? (Yes/No)		24	
25	Find the 13th term of series 2 7 12 17 22 ...		25	
26	Find the sum of 12 terms of the series 53 49 45 41…		26	
27	Which digit should appear in place of **?** if following equation is correct? 6483 x 6834 = 4430**?**822		27	
28	Which digit should appear in place of **?** if following equation is correct? 128153 x 7023 = 900**?**18519		28	

Q.N.	Problem	Rough Work (Not Compulsory)	Q.N.	Final Answer
29	Convert number 58900199 in vinculum form		29	
30	Quotient & Remainder if you divide 20342 by 112		30	Quotient: Remainder:
31	Quotient & Remainder if you divide 5397 by 103		31	Quotient: Remainder:
32	Quotient & Remainder if you divide 78199 by 114		32	Quotient: Remainder:
33	Quotient & Remainder if you divide 2863 by 63		33	Quotient: Remainder:
34	Quotient & Remainder if you divide 58937 by 44		34	Quotient: Remainder:
35	Quotient & Remainder if you divide 35847 by 48		35	Quotient: Remainder:
36	Find the values of x for the following quadratic equation $2x^2 - 9x + 4 = 0$		36	x = or x =
37	Find the values of x for the following quadratic equation $25x^2 + 5x - 6 = 0$		37	x = or x =
38	Find value of x & y for following simultaneous equations $3x + 7y = 13$ & $4x - 3y = 5$		38	x = & y =
39	Find value of x & y for following simultaneous equations $7x - 3y = 29$ & $5x + 3y = 31$		39	x = & y =
40	Find value of x & y for following simultaneous equations $13x + 7y = 12$ & $17x + 28y = 48$		40	x = & y =
41	Cube root of 30.371328		41	
42	0.92 x 1.09 x 0.0097		42	
43	0.3987 x 41.4		43	
44	Cube of 9.89		44	
45	Cube of 9940		45	
46	Square root of 0.0000034969		46	

Q.N. 47 & 48 Calculate **Square of 7889** in two different vedic methods (Show all steps)

Q.N. 49 & 50 Calculate **Square of 697** in two different vedic methods (Show all steps)