

Name:

Id:

Email:

Phone:

INDIAN SUDOKU CHAMPIONSHIP 2010

(Preliminary Round 23rd January 2010)

90 minutes

	Answer	Points	Check1	Check2
Classic1	<input type="text"/>	30		
Classic2	<input type="text"/>	35		
Classic3	<input type="text"/>	40		
Classic4	<input type="text"/>	45		
Classic5	<input type="text"/>	50		
Classic6	<input type="text"/>	55		
Classic7	<input type="text"/>	60		
Classic8	<input type="text"/>	65		
Odd Even	<input type="text"/>	60		
Diagonal	<input type="text"/>	60		
Consecutive	<input type="text"/>	80		
Sudoku XV	<input type="text"/>	75		
Quadruple	<input type="text"/>	70		
GroupSum	<input type="text"/>	100		
No Knight Step	<input type="text"/>	65		
Irregular	<input type="text"/>	110		
Total		1000		

Conducted by TechFest, IIT Bombay

in association with www.logicmastersindia.com

Classic Sudoku – 1

30 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

		7						
		2			3	6		
	4		8		2		3	5
	1	9	3		7	2		
→								
		3	5		8	7	1	
2	9		6		1		5	
		4	2			8		
						1		

Classic Sudoku – 2

35 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

	5			7			9	
1			8		2			3
		3					5	
	3			6			2	
6			3		5			9
	4			2			3	
		7					2	
8			6		1			4
	1			3			5	

Classic Sudoku – 3

40 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

							6	
9				3	6	7		
	4	7	9			2		
	8					9		
→	6						1	
		5					4	
		8			1	3	5	
		6	4	9				2
	1							

Classic Sudoku – 4

45 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

		8	5		1	2		
	6						4	
2				4				3
4								7
		7				1		
→	1							9
9				8				2
	3						1	
		5	1		6	8		

Classic Sudoku – 5

50 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

→

	6						4	
5	3						7	1
		1	7		6	5		
		6	1		7	4		
		8	6		3	7		
		2	9		5	1		
6	4						5	2
	9						6	

Classic Sudoku – 6

55 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

↓

6				4	5			
	3						1	
		2						8
				8				1
2				3				4
7					9			
	1						5	
		9						3
				2	9			6

Classic Sudoku – 7

60 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

→

7						9		
					7	2	4	
				3	5		7	8
					3	6	9	
		4				3		
	5	3	9					
2	4		3	7				
	3	6	2					
		8						2

Classic Sudoku – 8

65 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

→

3					8			2
					9		5	
	1				4			
2		6						
	5				6			9
							4	1
				4				7
		7			5			
8				2				3

Odd Even

60 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. Shaded cells contain the even digits while the others contain the odd digits.

			6		2			
				8				
		5				1		
	7		3		9		4	
5				6				9
		9				3		
			9		1			

Diagonal

60 points

Fill in the grid so that every row, every column, every diagonal and every 3x3 box contains the digits 1 through 9.

		1	9	3	2			
			1	8				
3								8
7	3					2	9	
1	2					8	3	
2								4
			7	9				
		5	4	2	9			

Consecutive Sudoku

80 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. Neighboring cells which contain consecutive digits are separated by white bars. Cells which are not separated by white bars cannot contain consecutive digits.

4								2
7								1

Sudoku XV

75 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. All the adjacent cell pairs (sharing an edge) with two digits summing to 5 are marked by V, while those summing to 10 are marked by X. The cells edges which do not contain an X or a V cannot have digits summing to 5 or 10.

6		V						5
	X	V			X			X
		X						
X				X				X
V	2			V	5			
				V	V			X
				V	X			V
							X	
3					X			4

Quadruple

70 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. Some intersections list the digits from the four adjacent cells.

	2356							
				4568		2367		
	6789		1568				1234	
		4589						
	1458		1349		2368		5679	
	2569			4789	1479		2358	
		2356		1279		1489		

Group Sum

100 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. The numbers in each circle indicates the sum of the digits in the cells covered by the corresponding circle.

			10		17			
	18	16		28			29	
						17		
10							11	
	24							
							34	
27		16				21		
	18		30					12

No Knight Step

65 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. No cell that is a knight-step away can contain the same digit.

						2		
		9			6	1	7	
	5	6	9			3		
		4						
						8		
		3			9	7	8	
	1	7	2			5		
		2						

Irregular

110 points

Fill in the grid with digits from 1 through 9 so that every row, every column and every outlined region contains distinct digits.

	5						8	
3		1				9		6
	8		3		4		5	
		4				8		
			9		2			
		5		7		3		
	3			8			9	
8				9				5