

	A	B	C	D	E	F
1	<b>RAJASTHAN HINDI HIGH SCHOOL</b>					
2	<b>STD. 10</b>					
3	<b>COMPUTER PROJECT (CALC)</b>					
4	<b>MATHEMATICAL FUNCTIONS</b>					
5	<b>Solve the following functions and write the output in given space</b>					
6	<b>NAME</b>	<b>DESCRIPTION</b>	<b>VALUE1</b>	<b>VALUE2</b>	<b>By Address</b>	<b>By Value</b>
7	ABS	Absolute	-112		=ABS(C7)	=ABS(-8)
8	<b>Output</b>					
9						
10	EXP	Exponent	1		=EXP(C10)	=EXP(2)
11	<b>Output</b>					
12						
13	FACT	Factorial	4		=FACT(C13)	=FACT(3)
14	<b>Output</b>					
15						
16	LN	Natural Logarithm	2		=LN(C16)	=LN(1)
17	<b>Output</b>					
18						
19	LOG10	Logarithm Base 10	5		=LOG10(C19)	=LOG10(2)
20	<b>Output</b>					
21						
22	SQRT	Square root	16		=SQRT(C22)	=SQRT(9)
23	<b>Output</b>					
24						
25	POWER	Value of raised power	2	4	=POWER(C25;D25)	=POWER(9;2)
26	<b>Output</b>					
27						
28	PRODUCT	Multiplication	6	7	=PRODUCT(C28;D28)	=PRODUCT(3;4;5)
29	<b>Output</b>					
30						
31	INT	Integer	16.4		=INT(C31)	=INT(22.8)
32	<b>Output</b>					
33						
34	ROUND	Round the number	140.53	0	=ROUND(C34;D34)	=ROUND(140.525;1)
35	<b>Output</b>					
36						
37	TRUNC	Truncate	245.11		=TRUNC(C37;2)	=TRUNC(358.053;1)
38	<b>Output</b>					

	A	B	C	D	E	F	G	H
1	<b>STATISTICAL FUNCTIONS</b>							
2	Solve the following functions and write down the output in given space.							
3	<b>NAME</b>	<b>DESCRIPTION</b>	<b>VALUE1</b>	<b>VALUE2</b>	<b>VALUE3</b>	<b>VALUE4</b>	<b>BY ADDRESS</b>	<b>BY VALUE</b>
4	AVERAGE	Average value	45	35	51	60	=AVERAGE(C4:F4)	=AVERAGE(45;29;33;57)
5	<b>Output</b>							
6								
7	GEOMEAN	Geometric mean	45	35	51	60	=GEOMEAN(C7:E7)	=GEOMEAN(45;29;33;57)
8	<b>Output</b>							
9								
10	HARMEAN	Harmonic mean	45	35	51	60	=HARMEAN(C10:F10)	=HARMEAN(45;29;33;57)
11	<b>Output</b>							
12								
13	MEDIAN	Middle number	16	33	24	30	=MEDIAN(C13:F13)	=MEDIAN(43;24;16;55;51)
14	<b>Output</b>							
15								
16	MODE	Common value	30	21	30	20	=MODE(C16:F16)	=MODE(12;54;12;34;54;55;12)
17	<b>Output</b>							
18								
19	COUNTA	No. of filled cells	21	3	H		=COUNTA(C19:E19)	=COUNTA(8;21;7;43;10)
20	<b>Output</b>							
21								
22	LARGE	Largest number	30	78	56	42	=LARGE(C22:E22;2)	=LARGE(C22:E22;1)
23	<b>Output</b>							
24								
25	SMALL	Smallest number	30	78	56	49	=SMALL(C25:E25;2)	=SMALL(D25:G25;2)
26	<b>Output</b>							
27								
28	RANK	Rank of a no.	65	69	57	71	=RANK(C28;C28:F28;0)	=RANK(65;C28:F28;1)
29	(give rank in order.1 for ascending & 0 for descendig order)					<b>Output</b>		
30								
31	MIN	Minimum no.	54	12	48	19	=MIN(C31:F31)	=MIN(8;45;1;23;7;30)
32	<b>Output</b>							
33								
34	MAX	Maximum no.	54	12	48	19	=MAX(C34:F34)	=MAX(8;45;1;23;7;30)
35	<b>Output</b>							

	A	B	C	D
1	<b>STRING FUNCTIONS</b>			
2	<b>STRING</b>	<b>FUNCTION NAME</b>	<b>BY ADDRESS</b>	<b>BY VALUE</b>
3	RAJASTHAN	CONCATENATE (To join upto 30 words )	=CONCATENATE(A3;A4;A5;A6)	=CONCATENATE("Hello ";"Students")
4	HINDI	<b>OUTPUT</b>		
5	High		OR	
6	SCHOOL		=A3&" "&A4&" "&A5&" "&A6	"hello " & "students"
7		<b>OUTPUT</b>		
8				
9		LOWER (lowercase)	=LOWER(A3)	=LOWER("COMPUTER")
10		<b>OUTPUT</b>		
11				
12		UPPER (Uppercase)	=UPPER(A5)	=UPPER("beautiful")
13		<b>OUTPUT</b>		
14				
15		PROPER (First letter capital)	=PROPER(C6)	=PROPER("rose IS rED")
16		<b>OUTPUT</b>		
17				
18		TRIM (Remove extra space)	=TRIM("Different parts of a computer")	
19		<b>OUTPUT</b>		
20				
21		EXACT (Compares two strings)	=EXACT(A4;A5)	=EXACT("students";"students")
22		<b>OUTPUT</b>		
23				
24		LEN (Length of a string)	=LEN(C6)	=LEN("Std.10")
25		<b>OUTPUT</b>		
26				
27		LEFT (Extract left side letters)	=LEFT(A3;4)	=LEFT("Wonderful";6)
28		<b>OUTPUT</b>		
29				
30		RIGHT(Extract right side letters)	=RIGHT(A3;5)	=RIGHT("Wonderful";3)
31				
32		MID (Extract middle letters)	=MID(C6;6;9)	=MID("Online Payment";8;3)
33				
34	<b>Number</b>	ROMAN (Display roman numbers of 0 to 3999 digits)	=ROMAN(A35)	=ROMAN(136)
35	25			
36				
37	Roman No.	ARABIC (Converts roman numbers into digits)	=ARABIC(A38)	=ARABIC("MXI")
38	XV			

	A	B	C	D
1	<b>Time &amp; Date Functions</b>			
2	<b>NAME</b>	<b>DESCRIPTION</b>	<b>FUNCTION</b>	<b>OUTPUT</b>
3	<b>TODAY</b>	Current date	=TODAY()	
4				
5	<b>NOW</b>	Current date & time	=NOW()	
6				
7	<b>DATE</b>	return valid date	=DATE(2018;10;22)	
8		=DATE(year;month;date)		
9				
10	<b>DAY</b>	Return day	=DAY(TODAY())	
11		=DAY(DATE(year;month;date))	=DAY(DATE(2018;10;25))	
12				
13	<b>WEEKDAY</b>	Return number of the day	=WEEKDAY(TODAY())	
14		(0=Sunday)	=WEEKDAY(DATE(2018;10;20))	
15				
16	<b>MONTH</b>	Return Month number	=MONTH(TODAY())	
17		=Month(DATE(year;month;date))	=MONTH(DATE(2018;12;12))	
18				
19	<b>YEAR</b>	Return Year	=YEAR(TODAY())	
20		=Year(DATE(year;month;date))	=YEAR(DATE(2020;11;23))	
21				
22	<b>DAYSINYEAR</b>	Return number of days	=DAYSINYEAR(TODAY())	
23			=DAYSINYEAR((DATE(2020;5;5)))	
24				
25	<b>DAYS</b>	No. of days between two dates	=DAYS(DATE(2019;3;22);TODAY())	
26			=DAYS(DATE(2018;11;11);DATE(2018;10;11))	
27				
28	<b>WEEKS</b>	No. of weeks between two dates	=WEEKS(DATE(2019;2;22);TODAY();0)	
29		0=weekly interval	=WEEKS(DATE(2019;2;22);DATE(2019;3;22);0)	
30		1=calendar interval		
31				
32	<b>YEARS</b>	No. of days between two dates	=YEARS(DATE(2020;5;15);TODAY();1)	
33		0=yearly interval	=YEARS(DATE(2020;5;15);TODAY();0)	
34		1=calendar interval		