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Microsoft Excel

Formula & Function



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Contact: ajicbltr1234@gmail.com

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Ward no.07 Chandrashekhar park dak bangla marg Belthara road Ballia

EXCEL FUNCTION

Math & Trig → Even, Fact, ODD, Power, Roman, SQRT, SUM, SUMIF, INT, MOD, Round, ABS, Product.

Date & Time → Today, Now, Date, Day, Month, Year, Time, Hour, Minute, Second.

Text → Lower, Proper, Upper, Left, Right, Mid, Len, Concatenate, Exact, Trim.

Statistical → Average, AverageA, Count, CountA, Count Blank, Countif, Max, Min, Mode.

Lookup & Reference → Hyperlink, IFERRORR, VLookup, HLookup and Match.

Logical → AND, OR, NOT, IF.

Financial → FV, PMT, IPMT, PPMT.

**MS-Excel All Function Full Playlist Available
On YouTube Channel – AJ INFOTECH**



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Website: - <http://www.ajinfotech.iteducation.in/>**

Math & Trig Function

✓ *fx* =EVEN(F5)

	E	F	G	H
		Even Function		
		Number	Result	
		9	10	
		8	8	
		6	6	
		11	12	
		13	14	
		14	14	

✓ *fx* =ODD(F5)

	E	F	G	H
		Odd Function		
		Number	Result	
		9	9	
		8	9	
		6	7	
		11	11	
		13	13	
		14	15	
		18	19	

✓ fx =FACT(F5)

	F	G	H
FACT Function			
	Number	Result	
	7	5040	
	6	720	
	5	120	
	9	362880	
	3	6	
	4	24	
	8	40320	
	11	39916800	
	10	3628800	

✓ fx =POWER(F5,G5)

	F	G	H
Power Function			
	Number	Power	Result
	12	2	144
	10	3	1000
	8	4	4096
	6	3	216
	5	2	25
	25	3	15625

✓ fx =ROMAN(F5)

ROMAN	
Number	Result
1	I
5	V
69	LXIX
8	VIII
40	XL
50	L
10	X
9	IX
12	XII

✓ fx =SQRT(F5)

Sqrt Function	
Number	Sqrt Result
100	10
625	25
729	27
169	13
36	6
121	11
144	12
49	7
1225	35

✕ ✓ *fx* =INT(E4)

E	F	G
Int Function		
Number	Result	
50.6	50	
56.2	56	
40.1	40	
20.5	20	
35.2	35	
45.2	45	
10.2	10	

fx =MOD(F4,G4)

F	G	H
Mod Function		
Number	Div	Result
44	3	2
85	2	1
78	4	2
65	5	0
45	6	3
44	6	2
99	3	0

f_x =ROUND(F4,0)

F	G
Round Function	
Number	Result
50.6	51
56.2	56
40.1	40
20.5	21
35.2	35
45.2	45
10.2	10

f_x =ABS(F4)

F	G
ABS Function	
Number	Result
-100	100
625	625
-729	729
169	169
36	36
-0.256	0.256
144	144

f_x =PRODUCT(F6,G6)

F	G	H	I
Product Formula			
QTY	Rate	Total	
5	200	1000	
6	120	720	
8	130	1040	
9	150	1350	

Date & Time Function

✕ ✓ *fx* =TODAY()

E	F
TODAY	
Insert Today date	
	05-Apr-25

⋮ ✕ ✓ *fx* =NOW()

E	F
NOW	
Insert Date Time	
	05-04-25 9:46

✕ ✓ *fx* =DAY(E3)

E	F
Date	Day
15-Feb-16	15
16-Mar-17	16
13-May-18	13

✕ ✓ *fx* =MONTH(E3)

E	F
Date	Month
15-Feb-16	2
16-Mar-17	3
13-May-18	5

✕ ✓ *fx* =YEAR(E3)

E	F
Date	Year
15-Feb-16	2016
16-Mar-17	2017
13-May-18	2018

✕ ✓ *fx* =DATE(G3,F3,E3)

E	F	G	H	I
Day	Month	Year	Date	
15	2	2016	15-02-16	
16	3	2017	16-03-17	
13	5	2018	13-05-18	

Text Function

fx =LOWER(F4)

	F	G
Lower		
	Name	Result
	RAHUL	rahul
	Rahul	rahul
	Ram MoHAn	ram mohan
	RAJ KUMAR	raj kumar
	Rahul	rahul
	kamlesh	kamlesh

fx =PROPER(F4)

	F	G	H
Proper			
	Name	Result	
	RAHUL	Rahul	
	Rahul	Rahul	
	Ram MoHAn	Ram Mohan	
	RAJ KUMAR	Raj Kumar	
	Rahul	Rahul	
	kamlesh	Kamlesh	

fx =UPPER(F4)

	F	G
	Upper	
	Name	Result
	RAHUL	RAHUL
	Rahul	RAHUL
	Ram MoHAn	RAM MOHAN
	RAJ KUMAR	RAJ KUMAR
	Rahul	RAHUL
	kamlesh	KAMLESH

fx =LEFT(F4,3)

	F	G	H
	Left		
	Name	Result	
	Rahul	Rah	
	Rahul	Rah	
	Ram Mohan	Ram	
	Raj Kumar	Raj	
	Rahul	Rah	
	Kamlesh	Kam	

fx =RIGHT(F4,2)

	F	G
	Right	
	Name	Result
	Rahul	ul
	Rahul	ul
	Ram Mohan	an
	Raj Kumar	ar
	Rahul	ul
	Kamlesh	sh

fx =MID(F4,2,3)

	F	G
	Mid	
	Name	Result
	Rahul	ahu
	Rahul	ahu
	Ram Mohan	am
	Raj Kumar	aj
	Rahul	ahu
	Kamlesh	aml

fx =LEN(F4)

Len	
Name	Result
Rahul	5
Rahul	5
Ram Mohan	9
Raj Kumar	9
Rahul	5
Kamlesh	7

fx =REPT(F4,5)

Rept Formula	
Number	Result
5	55555
7	77777
manoj	manojmanojmanojmanojmanoj
6	66666
upciss	upcissupcissupcissupcissupciss
3	33333

fx =CONCATENATE(F4," ",G4)

	F	G	H	I
	CONCATENATE			
	First Name	Last Name	Result	
	Rahul	Kumar	Rahul Kumar	
	Sudheer	Verma	Sudheer Verma	
	Rahul	Mishra	Rahul Mishra	
	Arvind	Raj	Arvind Raj	
	Rahul	Gupta	Rahul Gupta	
	Suneel	Raj	Suneel Raj	

fx =EXACT(F3,"Rahul")

	F	G	H
	EXACT		
	Name	Result	
	Rahul	TRUE	
	Sudheer	FALSE	
	Rahul	TRUE	
	Arvind	FALSE	
	Rahul	TRUE	
	Suneel	FALSE	

fx =TRIM(F3)

	F	G
	Trim	
	Name	Result
	RAHUL	RAHUL
	Rahul	Rahul
	Ram MoHAn	Ram MoHAn
	RAJ KUMAR	RAJ KUMAR
	Rahul	Rahul

fx		=DOLLAR(F4)	
	F	G	
	Dollar		
	Number	Result	
	1250	\$1,250.00	
	500	\$500.00	
	250	\$250.00	
	650	\$650.00	

Statistical Function

fx		=AVERAGE(F3:F9)	
	F	G	
	Average		
	Number	Result	
	50	118	
	169		
	55		
	h		
	144		
	121		
	169		

<i>f_x</i>	=AVERAGEA(F3:F9)	
	F	G
	Average A	
	Number	Result
	A	155.857143
	169	
	A	
	729	
	144	
	A	
	49	

<i>f_x</i>	=COUNT(F3:F9)	
	F	G
	Count	
	Number	Result
	121	6
	169	
	A	
	729	
	144	
	81	
	49	

fx =COUNTA(F3:F9)

	F	G	H
	CountA		
	Number	Result	
	A	7	
	169		
	55		
	729		
	144		
	52		
	49		

fx =COUNTBLANK(F3:F9)

	F	G	H
	Count Blank		
	Number	Result	
		3	
	169		
	729		
	144		
	49		

(Ctrl) ▾

fx =COUNTIF(F3:F9,"upciss prime")

	F	G	H
	Countif		
	Data	Result	
	25	3	
	upciss prime		
	252		
	upciss prime		
	22		
	upciss prime		
	22		

(Ctrl) ▾

fx =MAX(F3:F9)

	F	G	H
	MAX		
	Number	Result	
	121	729	
	169		
	150		
	729		
	144		
	81		
	49		

(Ctrl) ▾

<i>fx</i>	=MIN(F3:F9)	
	F	G
	Min	
	Number	Result
	121	49
	169	
	140	
	729	
	144	
	81	
	49	

<i>fx</i>	=MODE(F2:F9)	
	F	G
	Mode	
		30
	30	
	25	
	20	
	30	
	22	
	25	
	22	
	19	

Lookup & Reference

fx =HYPERLINK("C:\Users\daily\Desktop\Photoshop-7.0.pdf", "ADCA Notes Full Download")

	F	G	H	I
		Hyperlink		
	Adca Full Course	ADCA Notes Full Download		
	CCC Full Course	CCC Notes Full Download		
	Tally Full Course	TALLY Notes Full Download		

fx =VLOOKUP(F12,F2:L8,2,0)

Vlookup Function						
ID Number	Name	Hindi	English	Math	Art	Total
998098	Rahul Kumar	55	84	71	37	247
998099	Mohan Kumar	47	42	51	30	170
998100	Rohan Kumar	65	36	82	30	213
998101	Vikash Kumar	46	45	50	85	226
998102	Raj Kumar	41	34	80	36	191
998103	Naresh Gupta	78	72	81	89	320
Result						
ID Number	Name	Hindi	English	Math	Art	Total
998103	Naresh Gupta	78	72	81	89	320

fx =HLOOKUP(K10,F2:L7,MATCH(J11,F2:F7,0),0)

Hlookup & Match Function						
Name	Rahul Kumar	Mohan Kumar	Rohan Kumar	Vikash Kumar	Raj Kumar	Naresh Gupta
Hindi	55	47	65	46	41	78
English	84	42	36	45	34	72
Math	71	51	82	50	80	81
Art	37	30	30	85	36	89
Total	247	170	213	226	191	320
Result						
Name	Rohan Kumar					
Total	213					

Logical Function

fx			=AND(G3>=2000,G3<=2500)		
F		G		H	
And					
Name		Salary		Result	
Neha		2122		TRUE	
Nelam		2835		FALSE	
Raju Kumar		2152		TRUE	
Juber Khan		2781		FALSE	
Rahul		2119		TRUE	
Raj kumar		2409		TRUE	
Aman Kumar		2349		TRUE	
neha		2820		FALSE	
Rajesh		2008		TRUE	

fx				=OR(G3="high school",G3="enter")			
F		G		H		I	
OR							
Name		Class		Result			
Neha		High School		TRUE			
Nelam		Enter		TRUE			
Raju Kumar		Eight		FALSE			
Juber Khan		High School		TRUE			
Rahul		Eight		FALSE			
Raj kumar		Forth		FALSE			
Aman Kumar		High School		TRUE			
neha		Enter		TRUE			
Rajesh		Forth		FALSE			

fx =NOT(G3="High School")

	F	G	H
Not			
	Name	Class	Result
	Neha	High School	FALSE
	Nelam	Enter	TRUE
	Raju Kumar	Eight	TRUE
	Juber Khan	High School	FALSE
	Rahul	Eight	TRUE
	Raj kumar	Forth	TRUE
	Aman Kumar	High School	FALSE
	neha	Enter	TRUE
	Rajesh	Forth	TRUE

fx =IF(H3>=80,"A",IF(H3>=65,"B",IF(H3>=45,"C","F")))

	F	G	H	I	J
IF					
	Name	Course	Marks	Result	
	Neha	ADCA	52	C	
	Nelam	CCC	80	A	
	Raju Kumar	ADFA	51	C	
	Juber Khan	ADCA	60	C	
	Rahul	CCC	73	B	
	Raj kumar	ADCA	65	B	
	Aman Kumar	CCC	59	C	
	neha	ADFA	52	C	
	Rajesh	ADCA	30	F	

Financial Function

Loan Amount	600000
Interest Rate	12%
Loan Period	2
PMT (Monthly EMI)	₹28,244.08
IPMT (Interest)	₹6,000.00
PPMT (Principal Amount)	₹22,244.08

month	Monthly EMI	Interest Rate	Principal Amount
1	₹28,244.08	₹6,000.00	₹22,244.08
2	₹28,244.08	₹5,777.56	₹22,466.52
3	₹28,244.08	₹5,552.89	₹22,691.19
4	₹28,244.08	₹5,325.98	₹22,918.10
5	₹28,244.08	₹5,096.80	₹23,147.28
6	₹28,244.08	₹4,865.33	₹23,378.76
7	₹28,244.08	₹4,631.54	₹23,612.54
8	₹28,244.08	₹4,395.42	₹23,848.67
9	₹28,244.08	₹4,156.93	₹24,087.15
10	₹28,244.08	₹3,916.06	₹24,328.03
11	₹28,244.08	₹3,672.78	₹24,571.31
12	₹28,244.08	₹3,427.06	₹24,817.02
13	₹28,244.08	₹3,178.89	₹25,065.19
14	₹28,244.08	₹2,928.24	₹25,315.84
15	₹28,244.08	₹2,675.08	₹25,569.00
16	₹28,244.08	₹2,419.39	₹25,824.69
17	₹28,244.08	₹2,161.15	₹26,082.94
18	₹28,244.08	₹1,900.32	₹26,343.77
19	₹28,244.08	₹1,636.88	₹26,607.20
20	₹28,244.08	₹1,370.81	₹26,873.28
21	₹28,244.08	₹1,102.07	₹27,142.01
22	₹28,244.08	₹830.65	₹27,413.43
23	₹28,244.08	₹556.52	₹27,687.56
24	₹28,244.08	₹279.64	₹27,964.44

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