

Excel Formulas List With Examples In Urdu

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Excel Formulas List with Examples in Urdu

I. Unlocking Excel's Power in Urdu

A. The Ubiquity of Microsoft Excel: Microsoft Excel remains the gold standard spreadsheet application, a ubiquitous tool across industries and for personal use. Its versatility is unparalleled.

B. Why Urdu Language Support is Crucial: For many, navigating the intricacies of Excel proves challenging. Providing comprehensive guides in Urdu, the native language of millions, significantly reduces the learning curve and fosters inclusivity. This democratizes access to an essential skill.

C. Scope of this Comprehensive Guide: This guide serves as a meticulous and exhaustive resource, covering essential, intermediate, and advanced formulas. Each formula's functionality will be elucidated with concise

explanations and practical examples presented in both English and Urdu. This makes the guide accessible to a wider audience.

II. Basic Excel Formulas: A Foundational Understanding

A. SUM: Calculating the Aggregate: The `SUM` function, denoted by `=SUM(range)`, calculates the sum of numerical values within a specified range. For instance, `=SUM(A1:A10)` adds the numbers in cells A1 through A10. This is also useful to add numbers quickly.

B. AVERAGE: Determining the Mean: The `AVERAGE` function, represented by `=AVERAGE(range)`, computes the arithmetic mean of a dataset – a fundamental statistical measure. Simplicity is its virtue: `=AVERAGE(B1:B15)` calculates the average of values in B1 to B15.

C. COUNT: Enumerating Cells: The `COUNT` function, `=COUNT(range)`, tallies the number of cells containing numerical data within a defined range. This is not simply counting cells, but rather counting *numerical* values within specified cells.

D. MAX & MIN: Identifying Extremes: The `MAX` and `MIN` functions, respectively, find the largest and smallest numerical values within a given range. These are commonly used for identifying peaks and troughs in data, as well as outliers and anomalies.

E. TODAY & NOW: Temporal Functions: The `TODAY` function returns the current date, while `NOW` provides both the current date and time. These are invaluable for time-sensitive applications and data logging. They are powerful and incredibly useful.

III. Intermediate Excel Formulas: Enhancing Functionality

A. IF Function: Conditional Logic: The `IF` function allows you to implement conditional logic – performing different actions based on whether a condition evaluates as true or false. Its syntax is straightforward: `=IF(condition, value_if_true, value_if_false)`.

B. VLOOKUP & HLOOKUP: Data Retrieval: `VLOOKUP` (vertical lookup) and `HLOOKUP` (horizontal lookup) are pivotal for retrieving data from a table based on a specified key. Mastering these is crucial. These functions save significant time and effort.

C. CONCATENATE: String Manipulation: The `CONCATENATE` function joins multiple text strings into a single string. Simple yet powerful, it's essential for data aggregation and report generation. It is particularly useful when dealing with large datasets.

D. ROUND: Numerical Precision Adjustment: The `ROUND` function rounds a number to a specified number of decimal

places. Precision matters for accurate calculations and data presentation. This function is a valuable tool for data analysis. E.

Nested Functions: Combining Power: Embedding one function within another, known as nesting, unlocks significant capabilities. This allows for complex operations to be performed in a single cell for improved efficiency and data management. IV. Advanced Excel Formulas: Mastering Complex Tasks

A. SUMIFS & COUNTIFS: Advanced Conditionals: 'SUMIFS' and 'COUNTIFS' extend the functionality of 'SUM' and 'COUNT' by allowing for multiple criteria. This enables sophisticated conditional aggregation and counting. They support multiple conditions for refined analysis. B. INDEX & MATCH: Superior Data Lookup: The combination of 'INDEX' and 'MATCH' offers a more flexible and robust alternative to 'VLOOKUP' and 'HLOOKUP'. This pairing facilitates powerful and reliable data retrieval. More efficient than VLOOKUP. C. OFFSET: Dynamic Cell Referencing: The 'OFFSET' function enables dynamic cell referencing, allowing for the referencing of cells relative to another cell. It is crucial for creating dynamic and adaptable spreadsheets. Increases flexibility in data manipulation. D. TEXT Functions: Data Formatting: Excel's suite of text functions, including 'LEFT', 'RIGHT', 'MID', and 'LEN', allow for precise manipulation and formatting of text data. These functions are instrumental for refining text data. Essential for data cleaning and manipulation. E. Error Handling with IFERROR: The 'IFERROR' function intercepts errors and returns an alternative value, thereby avoiding display of error messages improving data presentation. This is incredibly important for clean and professional-looking spreadsheets. This significantly improves user experience and provides cleaner output. V. Practical Applications & Real-World Examples (Urdu Illustrations)

A. Example 1: Calculating Monthly Expenses: (Urdu Example and explanation provided here). B. Example 2: Analyzing Sales Data: (Urdu Example and explanation provided here). C. Example 3: Creating a Simple Budget: (Urdu Example and explanation provided here). D. Example 4: Tracking Inventory: (Urdu Example and explanation provided here). VI. Conclusion: Your Journey to Excel Mastery in Urdu **This guide provides a fundamental building block for mastering Excel formulas. By understanding and applying these techniques you can**

unlock Excel's full potential to streamline your workflow and bolster your analytical capabilities. The inclusion of Urdu examples will enable a wider audience to significantly improve their proficiency in Excel. 10

Catchy ** 1. Master Excel formulas! This guide provides an Excel formulas list with examples in Urdu. Learn now! 2. Unlock Excel's power! Our Excel formulas list with examples in Urdu simplifies data analysis. 3. Excel formulas made easy! Get our Excel formulas list with examples in Urdu. Boost your skills! 4. Excel formulas in Urdu? Yes! Learn with our comprehensive list and examples. 5. Learn Excel formulas in Urdu! This list with examples lets you leverage spreadsheet power. 6. Conquer Excel! Our list of Excel formulas with examples in Urdu is your ultimate resource. 7. From novice to pro! Explore our exhaustive Excel formulas list with examples in Urdu. 8. Excel formulas demystified! Our Urdu guide with examples takes complexity out of the equation. 9. Excel in Urdu? Yes! Learn key formulas with practical examples in our new guide. 10. Supercharge your spreadsheets! This Excel formulas list with examples in Urdu is your key.

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Excel Formulas List With Examples In Urdu

Excel Formulas List With Examples In Urdu

Excel Formulas List With Examples In Urdu

(Basic Mathematical Formulas)

Excel Formulas List With Examples In Urdu

1. SUM (SUM)

SUM Excel Formulas List With Examples In Urdu

SUM Excel Formulas List With Examples In Urdu

Excel Formulas List With Examples In Urdu

Excel Formulas List With Examples In Urdu

2. AVERAGE (AVERAGE)

AVERAGE (number1, [number2], ..., (middle value), [number2], ..., [number2])

AVERAGE(number1, [number2], ...)

AVERAGE(C1:C10) C1 C10 AVERAGE(C1:C10)
AVERAGE(C1:C10)
=AVERAGE(C1:C10)

3. MAX (MAX)

MAX (number1, [number2], ..., (middle value), [number2], ..., [number2])

MAX(number1, [number2], ...)

MAX(D1:D20) D1 D20 MAX(D1:D20)
MAX(D1:D20)
=MAX(D1:D20)

4. MIN (MIN)

MIN (number1, [number2], ..., (middle value), [number2], ..., [number2])

MIN(number1, [number2], ...)

MIN(E1:E15) E1 E15 MIN(E1:E15)
MIN(E1:E15)
=MIN(E1:E15)

5. PRODUCT (PRODUCT)

PRODUCT (number1, [number2], ..., (middle value), [number2], ..., [number2])

PRODUCT (number1, [number2], ...)

Example: =PRODUCT(A1:B1,C1) returns the product of the values in the range A1:B1 and the value in C1.
=PRODUCT(A1, B1, C1)

6. COUNT (COUNT)

COUNT counts the number of cells in a range that contain numbers. It ignores empty cells, text, and error values.

COUNT (value1, [value2], ...)

Example: =COUNT(F1:F100) counts the number of cells in the range F1:F100 that contain numbers.
=COUNT(F1:F100)

Example: =COUNTA(A1:A100) counts the number of cells in the range A1:A100 that contain any data, including text and error values.

TEXT (Text) CONCATENATE (&)

CONCATENATE joins two or more text strings into one string. The & operator can also be used to concatenate text.

7. CONCATENATE (&)

CONCATENATE joins two or more text strings into one string. The & operator can also be used to concatenate text.

CONCATENATE (text1, [text2], ...) text1 & text2 & ...

Example: =CONCATENATE(A1, " ", B1) returns the text in cell A1, followed by a space, followed by the text in cell B1.
=CONCATENATE(A1, " ", B1)

?? ???? ???? ??:=CONCATENATE(A1, " ", B1) ??=A1 & " " & B1???? ???? ????????? ???? ?? ????? " "???? ?

8. ?????? ???? ???? (LEFT, RIGHT, MID)

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 ????? ???? ???? ???? ???? ???? ?

1. **LEFT:** ????? ???? ???? ???? ???? ???? ????
 ??? ????? ???? ???? ?

?????:=LEFT(text, [num_chars])

??? :???? A1 ??? "Microsoft Excel" ????? ???? ????
 ??? ???? ???? ???? 7 ?? ??:=LEFT(A1, 7)??
 "Microso" ??? ?

2. **RIGHT:** ????? ???? ???? ???? ???? ???? ????
 ??? ????? ???? ?

?????:=RIGHT(text, [num_chars])

??? :???? "Microsoft Excel" ??? 5 ?? ????
 ??? ???? :=RIGHT(A1, 5)?? "Excel" ??

3. **MID:** ???? ???? ???? ???? ???? ????
 ??? ???? ???? ???? ???? ???? ?

?????:=MID(text, start_num, num_chars)

????: "Microsoft Excel" ??? 5 ?? ???? ???? 10 ??
 ??? ???? :=MID(A1, 10, 5)?? "Excel" ??

9. **???? ???? ? ???? (UPPER, LOWER, PROPER)**

(2022/2023) 2022 202222 22 2222 22 22222 2222222 22
 2222 2222 22222 222 (2222

1. UPPER: [][] [][] [][][][] [][][][] (Uppercase) [][][] [][][][][] [][][]

```
UPPER:=UPPER("example text")result "EXAMPLE TEXT"
```

2. LOWER: [][][][][] [][] [][][][] [][][][] (Lowercase) [][][] [][][][][] [][][]

LOWER:=LOWER("EXAMPLE TEXT")result "example text"

3. **PROPER:** [] [] [] [] [] [] [] [] [] (Capitalize) [] [] [] []

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PROPER :=PROPER("example text")result "Example Text"

10. **?????? ???? ???? ???? (TRIM)**

TRIM ?
? ?

TRIM(text)

```
00000000:0000 A1 0000 "Hello World" 00 0000 0000
```

=TRIM(A1) result "Hello World" ? ? ? ? ?

??? **???** **??????** (Date and Time)

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2222 22222222 22 22 22222222 22222222 22 2222 2222 222222
 2222 2222 22222 2222 22222 22 22 2222 22222 22222 22 2222
 22222 22222

11. TODAY (TODAY)

TODAY returns the current date. The date is calculated based on the system clock of the computer where the Excel file is open.

TODAY: =TODAY()

TODAY (start_date, end_date): =TODAY() returns the current date between start_date and end_date.

12. NOW (NOW)

NOW returns the current date and time. The date and time are calculated based on the system clock of the computer where the Excel file is open.

NOW: =NOW()

NOW (start_date, end_date): =NOW() returns the current date and time between start_date and end_date.

13. DATE (DATE)

DATE returns the date of a specific day, month, and year. The date is calculated based on the system clock of the computer where the Excel file is open.

DATE: =DATE(year, month, day)

DATE (year, month, day): =DATE(2023, 12, 25) returns the date 25-Dec-2023.

14. TIME (TIME)

(DATEDIF)

DATEDIF (start_date, end_date, unit)
start_date: The start date of the period.
end_date: The end date of the period.
unit: The unit of time for the calculation.

DATEDIF(start_date, end_date, unit)

Unit: "Y" (Years), "M" (Months), "D" (Days), "MD" (Months and Days), "YM" (Years and Months), "YD" (Years and Days).

Example: =DATEDIF(A1, B1, "Y") returns the number of years between A1 and B1.

1. =DATEDIF(A1, B1, "Y") (3 years)
2. =DATEDIF(A1, B1, "M") (35 months)
3. =DATEDIF(A1, B1, "D") (1454 days)

15. (DAY, MONTH, YEAR)

DAY(serial_number)
MONTH(serial_number)
YEAR(serial_number)

1. **DAY:** =DAY(serial_number)
2. **MONTH:** =MONTH(serial_number)
3. **YEAR:** =YEAR(serial_number)

Example: =DAY(A1) returns 25, =MONTH(A1) returns 12, =YEAR(A1) returns 2023.

1. =DAY(A1) result 25
2. =MONTH(A1) result 12
3. =YEAR(A1) result 2023

????? (Logical) ????????

?? ?? ??? ?????? ?????? ?? ??????? ?? ?? ?????????? ???????
????? ??? "?? ?????? ?????? ??????? ?? ?????? ??????? ???????
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16. ??? (IF)

IF ??? ??? ?????????? (condition) ??? ??? ?? ?????? ?????? ??
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?????:=IF(logical_test, value_if_true, value_if_false)

??? :??? A1 ??? ?? ??? ?????? ?? 60 ??? ??? B1
??? "Pass" ??? ?????? "Fail" ??????

=IF(A1>60, "Pass", "Fail")

17. ??? (AND)

AND ??? ?????? ?????? ?????? ??? ?? ?? ?????????? ??????????
?? ??? ?????? ??????? ?????? ??? ?????? ?? TRUE ??? ?????
????? FALSE?

????:=AND(logical1, [logical2], ...)

??? :??? A1 ??? ??? ?? ?????? ?? 50 ??? B1 70 ???
?? ??? ?????? ?? TRUE ???

=AND(A1>50, B1>70)

18. OR (OR)

OR logical1, [logical2], ...
Returns TRUE if any of the arguments are TRUE. Returns FALSE if all arguments are FALSE.

OR =OR(logical1, [logical2], ...)

Example: =OR(A1>50, B1>70)
Returns TRUE if either cell A1 is greater than 50, or cell B1 is greater than 70.

=OR(A1>50, B1>70)

19. IFERROR (IFERROR)

IFERROR value, value_if_error
Returns the value of the expression, or the value_if_error argument if the expression evaluates to an error value.

IFERROR =IFERROR(value, value_if_error)

Example: =IFERROR(A1/B1, "Division by zero not allowed")
Returns the result of the division of A1 by B1. If B1 is zero, the formula returns the text "Division by zero not allowed".

=IFERROR(A1/B1, "Division by zero not allowed")

LOOKUP (Lookup)

Reference (Reference)

LOOKUP (lookup_value, table_array, [result_array])
Returns the value of the element in the table_array that is closest to and less than the lookup_value. If the lookup_value is greater than the largest value in the table_array, the function returns the value of the last element in the table_array.

20. VLOOKUP

VLOOKUP (lookup_value, table_array, col_index_num, [range_lookup])
lookup_value: The value to search for (row)
table_array: The range of cells to search
col_index_num: The column number to return

=VLOOKUP(lookup_value, table_array, col_index_num, [range_lookup])

Example: Find the price of a product in a table.
Table: A1:B10
Product: "Apple"
Price: 1.20

Formula: =VLOOKUP("Apple", A1:B10, 2, FALSE)
Result: 1.20
Explanation: The formula searches for "Apple" in the first column of the range A1:B10. When found, it returns the value in the second column (Price) for that row. The FALSE argument indicates an exact match.

=VLOOKUP(A2, B2:C10, 2, FALSE)

Example: Find the price of a product in a table.
Table: A1:B10
Product: "Apple"
Price: 1.20
Formula: =VLOOKUP(A2, B2:C10, 2, FALSE)
Result: 1.20
Explanation: The formula searches for the value in cell A2 in the first column of the range B2:C10. When found, it returns the value in the second column (Price) for that row. The FALSE argument indicates an exact match.

21. HLOOKUP

HLOOKUP (lookup_value, table_array, row_index_num, [range_lookup])
lookup_value: The value to search for (row)
table_array: The range of cells to search
row_index_num: The row number to return
[range_lookup]: Optional argument, TRUE for approximate match, FALSE for exact match

=HLOOKUP(lookup_value, table_array, row_index_num, [range_lookup])

22. INDEX MATCH

VLOOKUP MATCH INDEX (MATCH) INDEX MATCH
MATCH MATCH MATCH MATCH MATCH MATCH MATCH
MATCH MATCH MATCH (MATCH) INDEX MATCH MATCH MATCH MATCH
MATCH MATCH

1. **MATCH:** =MATCH(lookup_value, lookup_array, [match_type])
2. **INDEX:** =INDEX(array, row_num, [column_num])

MATCH MATCH MATCH MATCH MATCH :MATCH A2 MATCH MATCH MATCH
MATCH B2:C10 MATCH MATCH MATCH

=INDEX(C2:C10, MATCH(A2, B2:B10, 0))

MATCH MATCH MATCH A2 MATCH MATCH MATCH MATCH B2:B10 MATCH MATCH MATCH MATCH
(MATCH) MATCH MATCH MATCH MATCH MATCH (3 MATCH) MATCH MATCH MATCH
C2:C10 MATCH MATCH MATCH (MATCH MATCH) MATCH MATCH MATCH MATCH MATCH

MATCH MATCH

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Excel is a powerful tool for data analysis, budgeting, and decision-making. It is widely used in various industries for its ability to handle large amounts of data and perform complex calculations. The software is known for its user-friendly interface and a wide range of features that make it a popular choice for businesses and individuals alike. Understanding the basics of Excel is essential for anyone looking to improve their productivity and data management skills.

Excel offers a variety of formulas and functions that can be used to perform a wide range of tasks. These include basic arithmetic operations, data manipulation, and statistical analysis. The software also provides a range of tools for creating charts and graphs, which can help users visualize their data and make more informed decisions. By mastering the basics of Excel, users can unlock the full potential of this powerful tool and take their data analysis to the next level.

Comprehensive Excel Formulas List with Urdu Explanation

Excel stands as a powerful tool in the field of data analysis, budgeting, and decision-making, largely due to its robust set of formulas that automate calculations and streamline workflows. For users fluent in Urdu, understanding these formulas in their native language transforms Excel from a complex spreadsheet into an intuitive, accessible platform. This article presents a detailed yet accessible list of essential Excel formulas, explained in Urdu with practical examples to guide learners and professionals alike.

Foundational Arithmetic Formulas

At the heart of Excel lies a set of basic arithmetic functions that form the foundation for all data operations. Among these, SUM plays a vital role in adding values across a range—essential for totals in budgets or sales tracking. For instance, entering “=SUM(A1:A10)” adds all numbers from cell A1 to A10, instantly delivering the total. Similarly, AVERAGE computes the mean by

dividing the sum of numbers by their count, a crucial tool for performance metrics or average scores. These formulas are indispensable for anyone managing financials or operational data.

Logical and Conditional Formulas

Excel's logical functions empower users to make decisions within spreadsheets dynamically. IF stands out as a cornerstone: it evaluates a condition and returns one value if true, another if false. For example, `=IF(B2>100, "Over Budget", "Within Budget")` quickly flags financial thresholds. Nested IFs extend this capability for multi-condition checks, enabling sophisticated data validation. These tools are especially valuable in forecasting, where conditional outcomes guide next steps based on real-time inputs.

Text and String Manipulation

Handling textual data efficiently is another strength of Excel, supported by a suite of text functions. LEFT, RIGHT, and MID allow extraction of specific character segments—useful for parsing names, codes, or dates. CONCAT or the newer & operator combines multiple strings into one, enabling dynamic report generation. For instance, combining first and last names with `=CONCAT(A1, " ", B1)` creates full names from separate columns. These formulas simplify data cleaning and formatting, making communication clearer in professional settings.

Date and Time Calculations

Managing timelines efficiently is critical in project management and scheduling, and Excel excels here through specialized date functions. TODAY returns the current date, while NOW includes time—ideal for tracking durations. DATEDIF calculates differences between dates in various intervals, such as years, months, or days, enabling precise timeline analysis. For example, `=DATEDIF(B2, TODAY(), "y")` returns the number of full years since a given

date, supporting deadline planning and milestone tracking.

Statistical and Financial Formulas

Excel's strength in quantitative analysis is amplified by dedicated financial and statistical tools. NPV computes the net present value of cash flows, essential for investment decisions. PMT evaluates loan repayments, offering clarity in budget planning. Statistical formulas like STDEV and VAR calculate variance and standard deviation, critical for risk assessment and performance benchmarking. These functions transform raw data into actionable insights, supporting strategic financial modeling.

Benefits and Practical Applications

Using Excel formulas in Urdu not only enhances personal productivity but also bridges technical gaps in multilingual workplaces. The ability to apply formulas without relying on English terminology fosters confidence and accuracy in data handling. Whether managing household budgets, analyzing sales trends, or monitoring project timelines, these formulas reduce manual errors and accelerate decision-making. Their integration with pivot tables, charts, and macros further extends functionality, making Excel an indispensable asset across industries.

Future Outlook for Excel Formulas

As data ecosystems evolve, Excel continues to innovate by introducing smarter, more intuitive formula capabilities. Features like dynamic arrays and natural language input—where users type “Sum sales above \$1000” and Excel interprets it—signal a shift toward accessibility. While the core formulas remain foundational, upcoming enhancements promise to deepen integration with AI, enabling predictive analytics and automated insights directly within spreadsheets. For Urdu-speaking users, these advancements ensure that Excel remains relevant, empowering users to harness data with greater ease and

precision. In conclusion, mastering Excel formulas in Urdu unlocks a world of analytical power. From simple sums to complex financial models, these tools form the backbone of data-driven success. Embracing them not only enhances professional competence but also fosters a deeper understanding of how data shapes informed decisions.

Excel Formulas List with Examples in Urdu

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Microsoft Excel spreadsheet software is a powerful tool that can be used for a wide range of tasks, from simple calculations to complex data analysis. At the heart of Excel's power are its formulas, which allow users to perform calculations, manipulate data, and automate tasks. For Urdu-speaking users, understanding these formulas in their native language is crucial for effective utilization. This comprehensive guide provides an extensive list of essential Excel formulas with clear, step-by-step examples in Urdu, making it accessible for beginners and advanced users alike. We'll explore common spreadsheet functions, their syntax, and practical applications, ensuring you can leverage the full potential of Excel for your personal and professional needs.

Excel Formulas: A Foundation for Data Management (فارمولوں کی بنیاد پر ڈیٹا کی دیکھ بھال)

Excel formulas are instructions that perform calculations on values in your spreadsheet. They begin with an equals sign (=) followed by the formula itself. This could be a simple arithmetic operation, a reference to another cell, or a complex function that performs a specific task. Mastering these formulas is not just about memorizing them; it's about understanding how they can be applied to solve real-world problems. In Pakistan and other Urdu-speaking regions, Excel is widely used in business, education, and personal finance, making this knowledge invaluable. We will cover a spectrum of Excel functions, from basic arithmetic to advanced statistical and logical operations, all explained in Urdu with practical examples.

Keywords: Excel formulas in Urdu, Excel functions list, Excel math formulas, Excel text formulas, Excel lookup formulas, Excel financial formulas, Excel date and time formulas, Excel statistical formulas, Microsoft Excel guide Urdu, spreadsheet formulas Urdu, data analysis Excel Urdu.

Basic Arithmetic Formulas (فارمولوں کی بنیاد پر حساب)

These are the most fundamental formulas in Excel, used for everyday calculations. They involve operators like addition, subtraction, multiplication, and division.

Addition (جمع): SUM Formula

The SUM function adds all the numbers in a range of cells. It's one of the most

frequently used Excel functions.

Syntax: =SUM(number1, [number2], ...)

Urdu Explanation: SUM (A1:A5) کا مطلب ہے A1 سے A5 تک کے تمام خلیوں کی قیمتیں جمع کرنا۔

Example:

A1 A2 A3 A4 A5
100 200 300 400 500
=SUM(A1:A5):

=SUM(A1:A5)

Practical Use: To calculate total sales, total expenses, or the sum of scores.

Subtraction (MINUS): Basic Operators

Subtraction is performed using the minus sign (-). You can subtract individual cells or values.

Syntax: =cell1 - cell2

Urdu Explanation: A1 سے A2 تک کے تمام خلیوں کی قیمتیں منہا کرنا۔

Example:

A1 A2 A3 A4 A5
100 200 300 400 500
=A1 - A2:

=A1 - A2

Practical Use: Calculating profit (Revenue - Expenses), finding the difference between two quantities.

Multiplication (PRODUCT): Product Formula

The PRODUCT function multiplies all the numbers in a range of cells. You can also use the asterisk (*) operator.

Syntax: =PRODUCT(number1, [number2], ...)

Urdu Explanation: $\frac{1}{2} \times \frac{1}{3} \times \frac{1}{4} \times \frac{1}{5} \times \frac{1}{6} \times \frac{1}{7} \times \frac{1}{8} \times \frac{1}{9} \times \frac{1}{10}$
 $\frac{1}{2} \times \frac{1}{3} \times \frac{1}{4} \times \frac{1}{5} \times \frac{1}{6} \times \frac{1}{7} \times \frac{1}{8} \times \frac{1}{9} \times \frac{1}{10}$

Example:

$\frac{1}{2} \times \frac{1}{3} \times \frac{1}{4}$ C1 $\frac{1}{2}$ C3 $\frac{1}{2} \times \frac{1}{3} \times \frac{1}{4} \times \frac{1}{5} \times \frac{1}{6} \times \frac{1}{7} \times \frac{1}{8} \times \frac{1}{9} \times \frac{1}{10}$
 $\frac{1}{2} \times \frac{1}{3}$:

=PRODUCT (C1 : C3)

Or using the asterisk operator:

=C1 * C2 * C3

Practical Use: Calculating the total cost of multiple items (Quantity * Price), compound interest calculations.

Division ($\frac{1}{2} \times \frac{1}{3} \times \frac{1}{4}$): Basic Operators

Division is performed using the forward slash (/).

Syntax: =number1 / number2

Urdu Explanation: $\frac{1}{2} \times \frac{1}{3} \times \frac{1}{4} \times \frac{1}{5} \times \frac{1}{6} \times \frac{1}{7} \times \frac{1}{8} \times \frac{1}{9} \times \frac{1}{10}$
 $\frac{1}{2} \times \frac{1}{3} \times \frac{1}{4} \times \frac{1}{5} \times \frac{1}{6} \times \frac{1}{7} \times \frac{1}{8} \times \frac{1}{9} \times \frac{1}{10}$

Example:

$\frac{1}{2} \times \frac{1}{3} \times \frac{1}{4}$ D1 $\frac{1}{2} \times \frac{1}{3}$ D2 $\frac{1}{2} \times \frac{1}{3} \times \frac{1}{4} \times \frac{1}{5} \times \frac{1}{6} \times \frac{1}{7} \times \frac{1}{8} \times \frac{1}{9} \times \frac{1}{10}$:

=D1 / D2

Practical Use: Calculating averages (Sum / Count), finding per-unit costs, converting currencies.

Logical Formulas (؟؟؟؟؟)

؟؟؟؟؟؟؟؟)

Logical formulas allow you to perform conditional tests and return different values based on the results. They are essential for decision-making within your spreadsheets.

IF Formula (؟؟؟؟؟؟؟؟ ؟؟؟)

The IF function checks whether a condition is met and returns one value if TRUE and another value if FALSE.

Syntax: =IF(logical_test, value_if_true, value_if_false)

Urdu Explanation: ؟؟؟ ؟؟؟ ؟؟؟؟؟؟؟؟؟ (logical_test) ؟؟؟؟؟؟؟ ؟؟؟
؟؟؟؟ ؟؟؟ ؟؟؟ ؟؟؟ ؟؟؟ (TRUE) ؟؟؟ ؟؟؟ ؟؟؟؟؟؟؟ ؟؟؟ ؟؟؟
؟؟؟؟ (FALSE) ؟؟؟ ؟؟؟؟؟ ؟؟؟؟؟ ؟؟؟؟؟؟؟ ؟؟؟؟؟؟؟ ؟؟؟

Example:

؟؟؟ ؟؟ ؟؟؟؟؟ ؟؟؟ E1 ؟؟؟ ؟؟؟؟؟ ؟؟؟؟؟ ؟؟ ؟؟؟ ؟؟؟؟؟ ؟؟؟
؟؟؟؟؟؟؟؟؟؟ "؟؟؟" ؟؟ ؟؟؟ ؟؟؟؟؟؟؟ ؟؟ 50 ؟؟؟؟؟ ؟؟؟ ؟؟؟؟؟
؟؟؟؟؟؟؟؟؟؟ "؟؟؟" ؟؟؟؟؟

=IF(E1>50, "فیل", "پاس")

Practical Use: Grading students, flagging overdue payments, categorizing data based on criteria.

AND Formula (؟؟؟؟؟؟؟؟؟؟ ؟؟؟)

The AND function returns TRUE if all its arguments are TRUE; it returns FALSE otherwise.

Syntax: =AND(logical1, [logical2], ...)

=I1 & " " & I2

Practical Use: Combining first and last names, creating full addresses from separate components.

LEFT Formula (A1 A2)

The LEFT function returns the specified number of characters from the beginning (left side) of a text string.

Syntax: =LEFT(text, [num_chars])

Urdu Explanation: A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13 A14 A15 A16 A17 A18 A19 A20 A21 A22 A23 A24 A25 A26 A27 A28 A29 A30 A31 A32 A33 A34 A35 A36 A37 A38 A39 A40 A41 A42 A43 A44 A45 A46 A47 A48 A49 A50 A51 A52 A53 A54 A55 A56 A57 A58 A59 A60 A61 A62 A63 A64 A65 A66 A67 A68 A69 A70 A71 A72 A73 A74 A75 A76 A77 A78 A79 A80 A81 A82 A83 A84 A85 A86 A87 A88 A89 A90 A91 A92 A93 A94 A95 A96 A97 A98 A99 A100 A101 A102 A103 A104 A105 A106 A107 A108 A109 A110 A111 A112 A113 A114 A115 A116 A117 A118 A119 A120 A121 A122 A123 A124 A125 A126 A127 A128 A129 A130 A131 A132 A133 A134 A135 A136 A137 A138 A139 A140 A141 A142 A143 A144 A145 A146 A147 A148 A149 A150 A151 A152 A153 A154 A155 A156 A157 A158 A159 A160 A161 A162 A163 A164 A165 A166 A167 A168 A169 A170 A171 A172 A173 A174 A175 A176 A177 A178 A179 A180 A181 A182 A183 A184 A185 A186 A187 A188 A189 A190 A191 A192 A193 A194 A195 A196 A197 A198 A199 A200 A201 A202 A203 A204 A205 A206 A207 A208 A209 A210 A211 A212 A213 A214 A215 A216 A217 A218 A219 A220 A221 A222 A223 A224 A225 A226 A227 A228 A229 A230 A231 A232 A233 A234 A235 A236 A237 A238 A239 A240 A241 A242 A243 A244 A245 A246 A247 A248 A249 A250 A251 A252 A253 A254 A255 A256 A257 A258 A259 A260 A261 A262 A263 A264 A265 A266 A267 A268 A269 A270 A271 A272 A273 A274 A275 A276 A277 A278 A279 A280 A281 A282 A283 A284 A285 A286 A287 A288 A289 A290 A291 A292 A293 A294 A295 A296 A297 A298 A299 A300 A301 A302 A303 A304 A305 A306 A307 A308 A309 A310 A311 A312 A313 A314 A315 A316 A317 A318 A319 A320 A321 A322 A323 A324 A325 A326 A327 A328 A329 A330 A331 A332 A333 A334 A335 A336 A337 A338 A339 A340 A341 A342 A343 A344 A345 A346 A347 A348 A349 A350 A351 A352 A353 A354 A355 A356 A357 A358 A359 A360 A361 A362 A363 A364 A365 A366 A367 A368 A369 A370 A371 A372 A373 A374 A375 A376 A377 A378 A379 A380 A381 A382 A383 A384 A385 A386 A387 A388 A389 A390 A391 A392 A393 A394 A395 A396 A397 A398 A399 A400 A401 A402 A403 A404 A405 A406 A407 A408 A409 A410 A411 A412 A413 A414 A415 A416 A417 A418 A419 A420 A421 A422 A423 A424 A425 A426 A427 A428 A429 A430 A431 A432 A433 A434 A435 A436 A437 A438 A439 A440 A441 A442 A443 A444 A445 A446 A447 A448 A449 A450 A451 A452 A453 A454 A455 A456 A457 A458 A459 A460 A461 A462 A463 A464 A465 A466 A467 A468 A469 A470 A471 A472 A473 A474 A475 A476 A477 A478 A479 A480 A481 A482 A483 A484 A485 A486 A487 A488 A489 A490 A491 A492 A493 A494 A495 A496 A497 A498 A499 A500 A501 A502 A503 A504 A505 A506 A507 A508 A509 A510 A511 A512 A513 A514 A515 A516 A517 A518 A519 A520 A521 A522 A523 A524 A525 A526 A527 A528 A529 A530 A531 A532 A533 A534 A535 A536 A537 A538 A539 A540 A541 A542 A543 A544 A545 A546 A547 A548 A549 A550 A551 A552 A553 A554 A555 A556 A557 A558 A559 A560 A561 A562 A563 A564 A565 A566 A567 A568 A569 A570 A571 A572 A573 A574 A575 A576 A577 A578 A579 A580 A581 A582 A583 A584 A585 A586 A587 A588 A589 A590 A591 A592 A593 A594 A595 A596 A597 A598 A599 A600 A601 A602 A603 A604 A605 A606 A607 A608 A609 A610 A611 A612 A613 A614 A615 A616 A617 A618 A619 A620 A621 A622 A623 A624 A625 A626 A627 A628 A629 A630 A631 A632 A633 A634 A635 A636 A637 A638 A639 A640 A641 A642 A643 A644 A645 A646 A647 A648 A649 A650 A651 A652 A653 A654 A655 A656 A657 A658 A659 A660 A661 A662 A663 A664 A665 A666 A667 A668 A669 A670 A671 A672 A673 A674 A675 A676 A677 A678 A679 A680 A681 A682 A683 A684 A685 A686 A687 A688 A689 A690 A691 A692 A693 A694 A695 A696 A697 A698 A699 A700 A701 A702 A703 A704 A705 A706 A707 A708 A709 A710 A711 A712 A713 A714 A715 A716 A717 A718 A719 A720 A721 A722 A723 A724 A725 A726 A727 A728 A729 A730 A731 A732 A733 A734 A735 A736 A737 A738 A739 A740 A741 A742 A743 A744 A745 A746 A747 A748 A749 A750 A751 A752 A753 A754 A755 A756 A757 A758 A759 A760 A761 A762 A763 A764 A765 A766 A767 A768 A769 A770 A771 A772 A773 A774 A775 A776 A777 A778 A779 A780 A781 A782 A783 A784 A785 A786 A787 A788 A789 A790 A791 A792 A793 A794 A795 A796 A797 A798 A799 A800 A801 A802 A803 A804 A805 A806 A807 A808 A809 A810 A811 A812 A813 A814 A815 A816 A817 A818 A819 A820 A821 A822 A823 A824 A825 A826 A827 A828 A829 A830 A831 A832 A833 A834 A835 A836 A837 A838 A839 A840 A841 A842 A843 A844 A845 A846 A847 A848 A849 A850 A851 A852 A853 A854 A855 A856 A857 A858 A859 A860 A861 A862 A863 A864 A865 A866 A867 A868 A869 A870 A871 A872 A873 A874 A875 A876 A877 A878 A879 A880 A881 A882 A883 A884 A885 A886 A887 A888 A889 A890 A891 A892 A893 A894 A895 A896 A897 A898 A899 A900 A901 A902 A903 A904 A905 A906 A907 A908 A909 A910 A911 A912 A913 A914 A915 A916 A917 A918 A919 A920 A921 A922 A923 A924 A925 A926 A927 A928 A929 A930 A931 A932 A933 A934 A935 A936 A937 A938 A939 A940 A941 A942 A943 A944 A945 A946 A947 A948 A949 A950 A951 A952 A953 A954 A955 A956 A957 A958 A959 A960 A961 A962 A963 A964 A965 A966 A967 A968 A969 A970 A971 A972 A973 A974 A975 A976 A977 A978 A979 A980 A981 A982 A983 A984 A985 A986 A987 A988 A989 A990 A991 A992 A993 A994 A995 A996 A997 A998 A999 A1000 A1001 A1002 A1003 A1004 A1005 A1006 A1007 A1008 A1009 A1010 A1011 A1012 A1013 A1014 A1015 A1016 A1017 A1018 A1019 A1020 A1021 A1022 A1023 A1024 A1025 A1026 A1027 A1028 A1029 A1030 A1031 A1032 A1033 A1034 A1035 A1036 A1037 A1038 A1039 A1040 A1041 A1042 A1043 A1044 A1045 A1046 A1047 A1048 A1049 A1050 A1051 A1052 A1053 A1054 A1055 A1056 A1057 A1058 A1059 A1060 A1061 A1062 A1063 A1064 A1065 A1066 A1067 A1068 A1069 A1070 A1071 A1072 A1073 A1074 A1075 A1076 A1077 A1078 A1079 A1080 A1081 A1082 A1083 A1084 A1085 A1086 A1087 A1088 A1089 A1090 A1091 A1092 A1093 A1094 A1095 A1096 A1097 A1098 A1099 A1100 A1101 A1102 A1103 A1104 A1105 A1106 A1107 A1108 A1109 A1110 A1111 A1112 A1113 A1114 A1115 A1116 A1117 A1118 A1119 A1120 A1121 A1122 A1123 A1124 A1125 A1126 A1127 A1128 A1129 A1130 A1131 A1132 A1133 A1134 A1135 A1136 A1137 A1138 A1139 A1140 A1141 A1142 A1143 A1144 A1145 A1146 A1147 A1148 A1149 A1150 A1151 A1152 A1153 A1154 A1155 A1156 A1157 A1158 A1159 A1160 A1161 A1162 A1163 A1164 A1165 A1166 A1167 A1168 A1169 A1170 A1171 A1172 A1173 A1174 A1175 A1176 A1177 A1178 A1179 A1180 A1181 A1182 A1183 A1184 A1185 A1186 A1187 A1188 A1189 A1190 A1191 A1192 A1193 A1194 A1195 A1196 A1197 A1198 A1199 A1200 A1201 A1202 A1203 A1204 A1205 A1206 A1207 A1208 A1209 A1210 A1211 A1212 A1213 A1214 A1215 A1216 A1217 A1218 A1219 A1220 A1221 A1222 A1223 A1224 A1225 A1226 A1227 A1228 A1229 A1230 A1231 A1232 A1233 A1234 A1235 A1236 A1237 A1238 A1239 A1240 A1241 A1242 A1243 A1244 A1245 A1246 A1247 A1248 A1249 A1250 A1251 A1252 A1253 A1254 A1255 A1256 A1257 A1258 A1259 A1260 A1261 A1262 A1263 A1264 A1265 A1266 A1267 A1268 A1269 A1270 A1271 A1272 A1273 A1274 A1275 A1276 A1277 A1278 A1279 A1280 A1281 A1282 A1283 A1284 A1285 A1286 A1287 A1288 A1289 A1290 A1291 A1292 A1293 A1294 A1295 A1296 A1297 A1298 A1299 A1300 A1301 A1302 A1303 A1304 A1305 A1306 A1307 A1308 A1309 A1310 A1311 A1312 A1313 A1314 A1315 A1316 A1317 A1318 A1319 A1320 A1321 A1322 A1323 A1324 A1325 A1326 A1327 A1328 A1329 A1330 A1331 A1332 A1333 A1334 A1335 A1336 A1337 A1338 A1339 A1340 A1341 A1342 A1343 A1344 A1345 A1346 A1347 A1348 A1349 A1350 A1351 A1352 A1353 A1354 A1355 A1356 A1357 A1358 A1359 A1360 A1361 A1362 A1363 A1364 A1365 A1366 A1367 A1368 A1369 A1370 A1371 A1372 A1373 A1374 A1375 A1376 A1377 A1378 A1379 A1380 A1381 A1382 A1383 A1384 A1385 A1386 A1387 A1388 A1389 A1390 A1391 A1392 A1393 A1394 A1395 A1396 A1397 A1398 A1399 A1400 A1401 A1402 A1403 A1404 A1405 A1406 A1407 A1408 A1409 A1410 A1411 A1412 A1413 A1414 A1415 A1416 A1417 A1418 A1419 A1420 A1421 A1422 A1423 A1424 A1425 A1426 A1427 A1428 A1429 A1430 A1431 A1432 A1433 A1434 A1435 A1436 A1437 A1438 A1439 A1440 A1441 A1442 A1443 A1444 A1445 A1446 A1447 A1448 A1449 A1450 A1451 A1452 A1453 A1454 A1455 A1456 A1457 A1458 A1459 A1460 A1461 A1462 A1463 A1464 A1465 A1466 A1467 A1468 A1469 A1470 A1471 A1472 A1473 A1474 A1475 A1476 A1477 A1478 A1479 A1480 A1481 A1482 A1483 A1484 A1485 A1486 A1487 A1488 A1489 A1490 A1491 A1492 A1493 A1494 A1495 A1496 A1497 A1498 A1499 A1500 A1501 A1502 A1503 A1504 A1505 A1506 A1507 A1508 A1509 A1510 A1511 A1512 A1513 A1514 A1515 A1516 A1517 A1518 A1519 A1520 A1521 A1522 A1523 A1524 A1525 A1526 A1527 A1528 A1529 A1530 A1531 A1532 A1533 A1534 A1535 A1536 A1537 A1538 A1539 A1540 A1541 A1542 A1543 A1544 A1545 A1546 A1547 A1548 A1549 A1550 A1551 A1552 A1553 A1554 A1555 A1556 A1557 A1558 A1559 A1560 A1561 A1562 A1563 A1564 A1565 A1566 A1567 A1568 A1569 A1570 A1571 A1572 A1573 A1574 A1575 A1576 A1577 A1578 A1579 A1580 A1581 A1582 A1583 A1584 A1585 A1586 A1587 A1588 A1589 A1590 A1591 A1592 A1593 A1594 A1595 A1596 A1597 A1598 A1599 A1600 A1601 A1602 A1603 A1604 A1605 A1606 A1607 A1608 A1609 A1610 A1611 A1612 A1613 A1614 A1615 A1616 A1617 A1618 A1619 A1620 A1621 A1622 A1623 A1624 A1625 A1626 A1627 A1628 A1629 A1630 A1631 A1632 A1633 A1634 A1635 A1636 A1637 A1638 A1639 A1640 A1641 A1642 A1643 A1644 A1645 A1646 A1647 A1648 A1649 A1650 A1651 A1652 A1653 A1654 A1655 A1656 A1657 A1658 A1659 A1660 A1661 A1662 A1663 A1664 A1665 A1666 A1667 A1668 A1669 A1670 A1671 A1672 A1673 A1674 A1675 A1676 A1677 A1678 A1679 A1680 A1681 A1682 A1683 A1684 A1685 A1686 A1687 A1688 A1689 A1690 A1691 A1692 A1693 A1694 A1695 A1696 A1697 A1698 A1699 A1700 A1701 A1702 A1703 A1704 A1705 A1706 A1707 A1708 A1709 A1710 A1711 A1712 A1713 A1714 A1715 A1716 A1717 A1718 A1719 A1720 A1721 A1722 A1723 A1724 A1725 A1726 A1727 A1728 A1729 A1730 A1731 A1732 A1733 A1734 A1735 A1736 A1737 A1738 A1739 A1740 A1741 A1742 A1743 A1744 A1745 A1746 A1747 A1748 A1749 A1750 A1751 A1752 A1753 A1754 A1755 A1756 A1757 A1758 A1759 A1760 A1761 A1762 A1763 A1764 A1765 A1766 A1767 A1768 A1769 A1770 A1771 A1772 A1773 A1774 A1775 A1776 A1777 A1778 A1779 A1780 A1781 A1782 A1783 A1784 A1785 A1786 A1787 A1788 A1789 A1790 A1791 A1792 A1793 A1794 A1795 A1796 A1797 A1798 A1799 A1800 A1801 A1802 A1803 A1804 A1805 A1806 A1807 A1808 A1809 A1810 A1811 A1812 A1813 A1814 A1815 A1816 A1817 A1818 A1819 A1820 A1821 A1822 A1823 A1824 A1825 A1826 A1827 A1828 A1829 A1830 A1831 A1832 A1833 A1834 A1835 A1836 A1837 A1838 A1839 A1840 A1841 A1842 A1843 A1844 A1845 A1846 A1847 A1848 A1849 A1850 A1851 A1852 A1853 A1854 A1855 A1856 A1857 A1858 A1859 A1860 A1861 A1862 A1863 A1864 A1865 A1866 A1867 A1868 A1869 A1870 A1871 A1872 A1873 A1874 A1875 A1876 A1877 A1878 A1879 A1880 A1881 A1882 A1883 A1884 A1885 A1886 A1887 A1888 A1889 A1890 A1891 A1892 A1893 A1894 A1895 A1896 A1897 A1898 A1899 A1900 A1901 A1902 A1903 A1904 A1905 A1906 A1907 A1908 A1909 A1910 A1911 A1912 A1913 A1914 A1915 A1916 A1917 A1918 A1919 A1920 A1921 A1922 A1923 A1924 A1925 A1926 A1927 A1928 A1929 A1930 A1931 A1932 A1933 A1934 A1935 A1936 A1937 A1938 A1939 A1940 A1941 A1942 A1943 A1944 A1945 A1946 A1947 A1948 A1949 A1950 A1951 A1952 A1953 A1954 A1955 A1956 A1957 A1958 A1959 A1960 A1961 A1962 A1963 A1964 A1965 A1966 A1967 A1968 A1969 A1970 A1971 A1972 A1973 A1974 A1975 A1976 A1977 A1978 A1979 A1980 A1981 A1982 A1983 A1984 A1985 A1986 A1987 A1988 A1989 A1990 A1991 A1992 A1993 A1994 A1995 A1996 A1997 A1998 A1999 A2000 A2001 A2002 A2003 A2004 A2005 A2006 A2007 A2008 A2009 A2010 A2011 A2012 A2013 A2014 A2015 A2016 A2017 A2018 A2019 A2020 A2021 A2022 A2023 A2024 A2025 A2026 A2027 A2028 A2029 A2030 A2031 A2032 A2033 A2034 A2035 A2036 A2037 A2038 A2039 A2040 A2041 A2042 A2043 A2044 A2045 A2046 A2047 A2048 A2049 A2050 A2051 A2052 A2053 A2054 A2055 A2056 A2057 A2058 A2059 A2060 A2061 A2062 A2063 A2064 A2065 A2066 A2067 A2068 A2069 A2070 A2071 A2072 A2073 A2074 A2075 A2076 A2077 A2078 A2079 A2080 A2081 A2082 A2083 A2084 A2085 A2086 A2087 A2088 A2089 A2090 A2091 A2092 A2093 A2094 A2095 A2096 A2097 A2098 A2099 A2100 A2101 A2102 A2103 A2104 A2105 A2106 A2107 A2108 A2109 A2110 A2111 A2112 A2113 A2114 A2115 A2116 A2117 A2118 A2119 A2120 A2121 A2122 A2123 A2124 A2125 A2126 A2127 A2128 A2129 A2130 A2131 A2132 A2133 A2134 A2135 A2136 A2137 A2138 A2139 A2140 A2141 A2142 A2143 A2144 A2145 A2146 A2147 A2148 A2149 A2150 A2151 A2152 A2153 A2154 A2155 A2156 A2157 A2158 A2159 A2160 A2161 A2162 A2163 A2164 A2165 A2166 A2167 A2168 A2169 A2170 A2171 A2172 A2173 A2174 A2175 A2176 A2177 A2178 A2179 A2180 A2181 A2182 A2183 A2184 A2185 A2186 A2187 A2188 A2189 A2190 A2191 A2192 A2193 A2194 A2195 A2196 A2197 A2198 A2199 A2200 A2201 A2202 A2203 A2204 A2205 A2206 A2207 A2208 A2209 A2210 A2211 A2212 A2213 A2214 A2215 A2216 A2217 A2218 A2219 A2220 A2221 A2222 A2223 A2224 A2225 A2226 A2227 A2228 A2229 A2230 A2231 A2232 A2233 A2234 A2235 A2236 A2237 A2238 A2239 A2240 A2241 A2242 A2243 A2244 A2245 A2246 A2247 A2248 A2249 A2250 A2251 A2252 A2253 A2254 A2255 A2256 A2257 A2258 A2259 A2260 A2261 A2262 A2263 A2264 A2265 A2266 A2267 A2268 A2269 A2270 A2271 A2272 A2273 A2274 A2275 A2276 A2277 A2278 A2279 A2280 A2281 A2282 A2283 A2284 A2285 A2286 A2287 A2288 A2289 A2290 A2291 A2292 A2293 A2294 A2295 A2296 A2297 A2298 A2299 A2300 A2301 A2302 A2303 A2304 A2305 A2306 A2307 A2308 A2309 A2310 A2311 A2312 A2313 A2314 A2315 A2316 A2317 A2318 A2319 A2320 A2321 A2322 A2323 A2324 A2325 A2326 A2327 A2328 A2329 A2330 A2331 A2332 A2333 A2334 A2335 A2336 A2337 A2338 A2339 A2340 A2341 A2342 A2343 A2344 A2345 A2346 A2347 A2348 A2349 A2350 A2351 A2352 A2353 A2354 A2355 A2356 A2357 A2358 A2359 A2360 A2361 A2362 A2363 A2364 A2365 A2366 A2367 A2368 A2369 A2370 A2371 A2372 A2373 A2374 A2375 A2376 A2377 A2378 A2379 A2380 A2381 A2382 A2383 A2384 A2385 A2386 A2387 A2388 A2389 A2390 A2391 A2392 A2393 A2394 A2395 A2396 A2397 A2398 A2399 A2400 A2401 A2402 A2403 A2404 A2405 A2406 A2407 A2408 A2409 A2410 A2411 A2412 A2413 A2414 A2415 A2416 A2417 A2418 A2419 A2420 A2421 A2422 A2423 A2424 A2425 A2426 A2427 A2428 A2429 A2430 A2431 A2432 A2433 A2434 A2435 A2436 A2437 A2438 A2439 A2440 A2441 A2442 A2443 A2444 A2445 A2446 A2447 A2448 A2449 A2450 A2451 A2452 A2453 A2454 A2455 A2456 A2457 A2458 A2459 A2460 A2461 A2462 A2463 A2464 A2465 A2466 A2467 A2468 A2469 A2470 A2471 A2472 A2473 A2474 A2475 A2476 A2477 A2478 A2479 A2480 A2481 A2482 A2483 A2484 A2485 A2486 A2487 A2488 A2489 A2490 A2491 A2492 A2493 A2494 A2495 A2496 A2497 A2498 A2499 A2500 A2501 A2502 A2503 A2504 A2505 A2506 A2507 A2508 A2509 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Example:

K1 "Islamabad" 5

=RIGHT(K1, 5)

Result: "abad"

Practical Use: Extracting the last few digits of an ID, extracting file extensions.

LEN Formula

The LEN function returns the number of characters in a text string.

Syntax: =LEN(text)

Urdu Explanation:

Example:

L1 "Excel Formulas" 13

=LEN(L1)

Result: 13 (including the space)

Practical Use: Validating input lengths, analyzing text patterns.

UPPER, LOWER, PROPER Formulas

These functions change the case of text.

1. UPPER: Converts text to all uppercase.
2. LOWER: Converts text to all lowercase.
3. PROPER: Converts text to proper case (first letter of each word is

uppercase).

Syntax:

1. =UPPER(text)
2. =LOWER(text)
3. =PROPER(text)

Urdu Explanation:

1. UPPER: (Uppercase) (Lowercase)
2. LOWER: (Lowercase) (Uppercase)
3. PROPER: (Uppercase) (Lowercase)

Example:

M1 "eXcel GuIdE" :

1. `=UPPER(M1)` will return "EXCEL GUIDE"
2. `=LOWER(M1)` will return "excel guide"
3. `=PROPER(M1)` will return "Excel Guide"

Practical Use: Standardizing text entries for consistency, ensuring proper capitalization in names or titles.

Lookup & Reference Formulas ()

These formulas are used to find specific information within your data or to create references to other parts of your spreadsheet or even other workbooks.

VLOOKUP Formula (؟؟ ؟؟؟ ؟؟ ؟؟؟؟؟؟؟؟)

The VLOOKUP function searches for a value in the first column of a table array and returns a value in the same row from a specified column.

Syntax: =VLOOKUP(lookup_value, table_array, col_index_num, [range_lookup])

Urdu Explanation: ؟؟؟ ؟؟؟؟ ؟؟؟؟ ؟؟ ؟؟؟؟ ؟؟؟ ؟؟؟؟؟؟؟؟؟ ؟؟
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؟؟؟ ؟؟؟؟ ؟؟؟؟ ؟؟؟؟؟ ؟؟ ؟؟؟؟

Example:

؟؟؟ ؟؟ ؟؟ ؟؟؟؟ ؟؟؟ ؟؟؟ ؟؟ ؟؟ ؟؟؟؟ ؟؟؟ A1:C10 ؟؟؟
؟؟؟؟؟؟ ID (؟؟؟؟ A)؟ ؟؟؟؟) ؟؟؟ ؟؟ ؟؟؟؟؟؟؟ B)؟ ؟؟؟؟ ؟؟؟
؟؟؟؟) C) ؟؟؟ ؟؟ ؟؟؟ D1 ؟؟؟؟؟؟؟ ؟؟؟ ID ؟؟؟ ؟؟؟ ؟؟؟؟؟ ؟؟؟
؟؟؟ E1 ؟؟؟؟ ؟؟؟؟؟ ؟؟؟؟ ؟؟؟؟؟ ؟؟؟؟ ؟؟ ؟؟ ؟؟؟

=VLOOKUP(D1, A1:C10, 3, FALSE)

Practical Use: Finding product prices, looking up employee details, matching data between two tables.

HLOOKUP Formula (؟؟ ؟؟؟ ؟؟؟ ؟؟؟؟؟؟؟؟)

The HLOOKUP function searches for a value in the top row of a table array and returns a value in the same column from a specified row.

Syntax: =HLOOKUP(lookup_value, table_array, row_index_num, [range_lookup])

Urdu Explanation: ؟؟؟ ؟؟ ؟؟؟؟ ؟؟ ؟؟؟؟ ؟؟؟ ؟؟؟؟؟؟؟؟؟ ؟؟
؟؟؟ ؟؟ ؟؟؟؟ ؟؟؟ ؟؟؟ ؟؟ ؟؟؟؟ ؟؟؟؟ ؟؟ ؟؟؟؟؟؟ ؟؟؟

???? ???? ???? ???? ? ? ? ?

Example:

??? ???? ? ? ? A1:E3 ? ? (1 ?) ? ? ? ? ?
??? ? ? ? ? ? ? ? (3 ?) ? ? ? ? ? (2 ?) ? ? ? ?
F1 ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?
???? ? ? ? ? ? ? ? ?

=HLOOKUP(F1, A1:E3, 3, FALSE)

Practical Use: Similar to VLOOKUP but for data arranged horizontally.

INDEX and MATCH Formulas (??? ?????) ????? ??)

These are often used together to create more flexible lookup solutions than VLOOKUP or HLOOKUP.

1. **INDEX:** Returns the value of a cell at the intersection of a particular row and column in a given range.
2. **MATCH:** Returns the relative position of an item in a range that matches a specified value.

Syntax:

1. INDEX(array, row_num, [column_num])
2. MATCH(lookup_value, lookup_array, [match_type])

Urdu Explanation:

1. INDEX: ???? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?
??? ? ? ? ? ? ? ? ? ? ? ? ? ?
2. MATCH: ???? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?
??? ? ? ? ? ? (???)

Combined Example: To find the price of a product (similar to VLOOKUP):

=INDEX(B1:C10, MATCH(D1, A1:A10, 0), 2)

This finds the row number of the product ID in column A (using MATCH) and then returns the value from the second column (price) in that row (using INDEX).

Practical Use: More powerful and flexible lookups, especially when the lookup column is not the first column.

Date & Time Formulas (روز و وقت کے فارمولے)

These formulas help you work with dates and times, perform calculations, and extract specific components.

TODAY Formula (آج کی تاریخ کا فارمولا)

The TODAY function returns the current date. It does not take any arguments.

Syntax: =TODAY()

Urdu Explanation: آج کی تاریخ کو واپس لاتا ہے۔ اس میں کوئی بھی آرگومنٹ نہیں لیا جاتا۔

Example:

=TODAY()

Practical Use: Always displaying the current date, calculating days remaining until a deadline.

NOW Formula (روز و وقت کا فارمولا)

The NOW function returns the current date and time. It does not take any arguments.

Syntax: =NOW()

Statistical Formulas (?????????)

Statistical Analysis Formulas

These formulas are used for statistical analysis, helping you understand the distribution and central tendency of your data.

AVERAGE Formula (Urdu Example)

The AVERAGE function calculates the arithmetic mean of its arguments.

Syntax: =AVERAGE(number1, [number2], ...)

Urdu Explanation: AVERAGE function calculates the arithmetic mean (average) of the numbers provided in the arguments.

Example:

Q1 Q5 Q1:Q5

=AVERAGE (Q1:Q5)

Practical Use: Calculating average scores, average sales, average performance metrics.

COUNT Formula (Urdu Example)

The COUNT function counts the number of cells in a range that contain numbers.

Syntax: =COUNT(value1, [value2], ...)

Urdu Explanation: COUNT function counts the number of cells containing numbers in the specified range.

Example:

R1 R10 R1:R10

1. =MAX(number1, [number2], ...)
2. =MIN(number1, [number2], ...)

Urdu Explanation:

1. MAX: 22222 22222 222 22 22 22 222 222222 222 22
222
2. MIN: 22222 22222 22222 22 22 22 222 222222 222 22
222

Example:

□□□ □□□ T1 □□ T10 □□ □□□□ □□ □□□□ □□□ □□:

1. Maximum Sales: `=MAX(T1:T10)`
2. Minimum Sales: `=MIN(T1:T10)`

Practical Use: Finding the highest/lowest scores, maximum/minimum temperatures, highest/lowest prices.

Financial Formulas (?????????)

Excel offers a suite of powerful financial functions for calculations related to loans, investments, and business finance.

PMT Formula (?????? ??)

The PMT function calculates the payment for a loan based on constant payments and a constant interest rate.

Syntax: =PMT(rate, nper, pv, [fv], [type])

Urdu Explanation:

Example:

100,000 5 %10

=====

=PMT(0.10/12, 5*12, 100000)

Practical Use: Calculating mortgage payments, car loan installments, personal loan repayments.

FV Formula (=====)

=====

The FV function returns the future value of an investment based on periodic, constant payments and a constant interest rate.

Syntax: =FV(rate, nper, pmt, [pv], [type])

Urdu Explanation: =====

=====

=====

Example:

===== %8 5 5000 22 22 222

===== 5 22 2222 22222

=FV(0.08/12, 5*12, -5000)

Practical Use: Projecting savings, retirement planning, investment growth calculations.

Conclusion (=====)

This extensive list covers many of the most commonly used Excel formulas with examples in Urdu. By understanding and applying these functions, you can significantly enhance your productivity and efficiency when working with spreadsheets. Whether you are performing basic calculations, analyzing complex data, or managing financial information, Excel formulas are your key to unlocking its full potential. We encourage you to practice these formulas with

your own data and explore further the vast capabilities of Microsoft Excel. Remember that consistent practice is the best way to become proficient in using these powerful tools.

Additional LSI Keywords: Microsoft Excel tutorial Urdu, Excel basics Urdu, advanced Excel formulas Urdu, Excel tips and tricks Urdu, spreadsheet software Urdu, data analysis tools, quantitative analysis Excel.

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No	Question	Answer
1	1. Which of the following is not a valid Excel formula? a. =SUM(A1:A10) b. =SUM(A1:A10;B1:B10) c. =SUM(A1:A10,B1:B10) d. =SUM(A1:A10, B1:B10)	The correct answer is d. =SUM(A1:A10, B1:B10). This is not a valid Excel formula because it uses a comma (,) to separate the ranges, which is not a valid operator in Excel. The valid formulas are a. =SUM(A1:A10), b. =SUM(A1:A10;B1:B10), and c. =SUM(A1:A10,B1:B10).
2	2. Which of the following is not a valid Excel formula? a. =SUM(A1:A10) b. =SUM(A1:A10;B1:B10) c. =SUM(A1:A10,B1:B10) d. =SUM(A1:A10, B1:B10)	The correct answer is d. =SUM(A1:A10, B1:B10). This is not a valid Excel formula because it uses a comma (,) to separate the ranges, which is not a valid operator in Excel. The valid formulas are a. =SUM(A1:A10), b. =SUM(A1:A10;B1:B10), and c. =SUM(A1:A10,B1:B10).
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1 0	MAX ??? MIN ??? ?????? ?????	MAX ??? ????? ?? ????? (????? ?? ??????) ??? ?? ?? ????? ???? ????? ?????? ?????? MIN (?? ?? ??) ?????? ?? ?? ?????? ????? ???? ?????? ?????? : =MAX(A1:A10) ??? =MIN(A1:A10)?

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For public educational or informational materials, lighter security settings may be more appropriate. For confidential or proprietary content, stronger restrictions help reduce misuse and unauthorized distribution.

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Final thoughts on PDF security and legal use

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