Chapter – 7
Functions in Calc

1. A function begins with which symbol?

   =

2. What begins with (=) sign followed by a name and one or more argument in its bracket?

   Function

3. What can be there as an argument?

   Value, an address of a cell, text, a constant or function

4. Which symbol is used for the sum function?

   Σ

5. Which signs are used for giving cell address in function?

   Comma (,), semi colon (;) and colon (:)

6. What is the function needed to enter a correct spelling along with necessary arguments?

   Syntax

7. How can we open function wizard?

   Insert → Function

8. Which functions are very helpful when we work with numbers in Calc?

   Math Functions

9. Which function removes the minus sign (-) from a negative number and makes the number positive?

   Abs(n)

10. Which function returns the values of the exponential function ex for the given number x?

    Exp(number)

11. Which function returns the value of the factorial function for the given number?

    Fact(n)

12. Which function returns the value of the natural logarithm for the given positive number?

    Ln(number)

13. Which function returns the value of logarithm base 10 for the given positive number?

    Log10(number)

14. Which function returns the number raised to the given power?

    Power(number,power)

15. Which function multiplies up to 30 arguments?

Product(x1, x2,…x30)

16. Which function returns the square root of a positive number?

Sqrt(number)

17. Which function rounds the given number down to the nearest integer?

Int(number)

18. Which function rounds the given number to the specified places?

Round(number, places)

19. Which function cuts off the whole fractional part from the given number?

Trunc(number, places)

20. Which functions help in collection, analysis, explanation, and presentation of data in order to support forecasting, predicting as well as decision making activities?

Statistical Functions

21. Which function returns the average of numbers given to it?

Average(x1, x2,…x30)

22. Which function returns the geometric mean of numbers given to it?

Mean(x1, x2,…x30)

23. Which function returns the median up to 30 arguments given to it?

Median(x1, x2,…x30)

24. Which function returns the most common value in a data set from at most 30 arguments?

Mode(x1, x2,…x30)

25. Which function returns the total number of cells or arguments which have some value in it?

CountA(x1, x2,…x30)

26. Which function returns the kth largest numeric value found in the given set of values x?

Large(x, k)

27. Which function returns the kth smallest numeric value found in the given set of values x?

Small(x,k)

28. Which function returns the rank of a given number in the given set of numbers?

Rank(number, set, order)

29. Which function can take up to 30 arguments and simply returns the maximum number within the arguments?

Max(x1,x2, … x30)

30. Which function can take up to 30 arguments and simply returns the minimum number within the arguments?

Min(x1,x2,…,x30)

31. Which function is used to calculate the period to repay your loan?

NPER(Interest, Installment, Loan, Future, Type)

32. Which function of Calc is used as the prominent of all conditional functions?

If(condition, "true statement", "false statement")

33. Which are the relational operators available in Calc?

Equals to (=), Less than (<), Greater than (>), Less than or equal to (<=), Greater than or equal to (>=), Different From (<>)

34. Which are the logical functions available in Calc?

AND, OR, NOT

35. Which functions are used to compare results of up to 30 arguments?

AND, OR, NOT

36. Which function can join up to 30 strings of text?

Concatenate (text1, text2,…, text30)

37. Which sign can you use instead of concatenate ( )?

&

38. Which function turns all given characters into lowercase?

Lower (text)

39. Which function turns all given characters into uppercase?

Upper (text)

40. Which function turns first letter of all words into uppercase and remaining alphabets in lowercase letters?

Proper (text)

41. Which function converts the number provided into its equivalent Roman number?

Roman (number, mode)

42. Which function considers a roman number as its arguments and convert the number into an Arabic number?

   Arabic (roman number)

43. Which function removes extra space from strings?

   Trim (text)

44. Which function compares two strings and returns 1 if they are exactly the same or 0 if they are not?

   Exact(string1, string2)

45. Which function returns the first character from the string text, or a specified number of n characters starting from the left?

   Left(text,n)

46. Which function provides utility to find middle of a string?

   Mid(text,start,n)

47. Which function returns the last n characters from the end of the string text?

   Right(text, n)

48. Which function returns the length of the given string?

   Len(text)

49. Which functions are used to calculate shorter and bigger period for time and date?

   Time and Date functions

50. Which function returns values for the today's date stored in your computer?

   Today( )

51. Which function returns the valid date for the given numbers for year, month and day?

   Date(year, month, day)

52. Which function is used to convert a date given in any recognizable format into a day of the month?

   Day(date ( ))

53. Which function is used to convert a valid date given into a day of the week?

   Weekday(date ( ),n)

54. Which function is used to convert a valid date into the month number?

   Month(t)

55. Which function is used to convert a valid date into the year number?

    Year(t)

56. Which function returns the number of days in the year presented by given date within the function?

    Daysinyear(t)

57. Which function calculates the number of days between two dates?

    Days(date(year,month,day),date(year,month,day))

58. Which function is used to find the leap year?

    Daysinyear(t)

59. Which function returns current date stored in your computer along with time?

    Now( )

60. Which function calculates the number of weeks between two dates?

    Weeks(date(year,month,date),date(year,month,date),weekly interval)

61. Which function calculates the number of years between two valid dates?

    Years (date(year,month,date),date(year,month,date),yearly interval)

62. Calc provide built – in standard functions for **mathematical, logical, statistical, date & time, financial** and other calculations on numbers and text.

63. The content written in the brackets is known as **arguments** of the function.

64. Sometimes operators such $\pm$ may also be used with function and formulas.

65. The **statistical** functions help in collection, analysis, explanation and presentation of data.