Carmel International School, Hosur

WORKSHEET – 1

1. Differentiate between binary number system and decimal number system

2. What are the base value and the digits used in Octal and Hexadecimal number system?

3. Differentiate between LSD and MSD?

4. _____ is the group of 4 bits.

5. A combination of _____ forms one byte.

6. The length of a computer word is called _____ or _____

7. Differentiate between hardware and software

8. The symbols 0 and 1 together called _____ or _____

9. Convert the following decimal number to binary number

    a. 89_{10} b. 568.25_{10}

10. Convert the following binary number to decimal number

    a. 101_2 b. 110.01

WORKSHEET – 2

1. A _____ in Excel is a sequence of values, cell references, functions, and/or operators in a cell, which produces a new value from existing values.

2. Values in Excel can be _____ or _____

3. What is reference?

4. A _____ in Excel is a symbol that tells Excel to perform a specific operation.

5. To display the result of formula click ✓ or press the _____ key.

6. Define pointing?

7. Differentiate between relative cell reference and absolute cell reference

8. In mixed cell referencing, if the row reference is absolute, the column reference will be _____.

9. Circular cell reference refers to its own _____

10. Define text string?

11. _____ character is used to concatenate strings.

12. Define GCD and LCM?

13. Write the steps to INSERT FUNCTION in Excel?

14. Write the reason for the following error

      a. #REF!   b. #VALUE!   c. #N/A

15. Consider the below data and write the formula

Roll No	Name	Mark1	Mark2	Total
1000	Ram	95	85	
1001	Ben	88	79	
1002	Sam	55	63	

   a. To calculate the total of all students

   b. To find maximum and minimum mark of Ben

WORKSHEET – 3

1. _____ is a graphical representation of data

2. Why do we need chart?

3. Differentiate between chart area and plot area?

4. _____ identifies the data series

5. _____ chart shows the relationship of parts to a whole.

6. Bubble chart is a variation of _____ chart.

7. Differentiate between Bar chart and pie chart?

8. _____ tab gives you choice on setting the layout and style for your chart.

9. What is a combo chart and write the steps to create a combo chart

10. what are major gridlines and minor gridlines.

11. Describe any 5 chart components

12. _____ chart compares trends in data at equal interval.

13. What are the options available for gridlines?

14. Switch Row/Column button in the _____ group.

15. Write the steps to move the chart.

WORKBOOK – 4

1. Differentiate between sorting and filtering?

2. Perform goal seek and write the steps to get an average of 70 marks what should be the Science marks.

Subject Name	Marks
Tamil	95
English	80
Maths	76
Science	
Social	69
Avg	64

3. What are the two commands for filtering data range.

4. Write the steps to perform custom filtering on the given table to filter the record whose Total greater than or equal to 130 and less than or equal to 150.

Marks 1	Marks 2	Total
83	95	178
50	52	102
46	76	122
81	56	137
63	71	134
90	64	154

5. _____ formatting is feature that allow you set a cell's format according to the conditions you specify.

WORKBOOK – 5

1. Define Keywords

2. Identify whether the given variables are valid or invalid

   a. Student name

   b. 1studentname

   c. INPUT

3. What is the use of SCREEN statement?

4. Write the color code for the below given color

   a. Magenta

   b. Bright White

   c. Red

5. The parameter _____ tells the interpreter that a box has to be drawn.

6. The parameter _____ indicates that box has to be filled with the specified color.

7. Write the syntax to draw three concentric circles in three different colors.

8. _____ is the frequency of sound

9. _____ is measured in terms of the number of pixels making up an image.

10. What are the three statements used in QBASIC for producing sounds?

11. The _____ statement is used to set the background and foreground colors.

12. There are _____ types of screen modes in QBasic.

13. What is the use of PAINT statement?

14. The CIRCLE statement can also be used for drawing _____

15. How is FINENESS measured?