



CLASS- 7

Half yearly assignment 20-21

Sub: Computer

**Q.1 Tick(✓) the correct answers.**

- C, C++ and C# are types of which of the following?  
a. high-level languages                      b. low-level languages  
c. assembly languages                      d. machine languages
- Which of the following is the base of the binary number system?  
a. 2                      b. 10                      c. 100                      d. 4
- Under which of the following tabs are Sort, Filter and Advanced Filter found?  
a. Home                      b. Insert                      c. Data                      d. Design
- The binary number system uses only.  
a. 10 single digits                      b. 2 single digits                      c. 4 single digits                      d. 3 single digits
- What is a cell address in a formula called?  
a. cell column                      b. cell row                      c. cell reference                      d. cell range
- Which of these functions is used to find the highest number in a set of numbers or a series of cells?  
a. Max                      b. Min                      c. High                      d. AutoSum
- Which of the following tabs can be used to insert a chart in a worksheet?  
a. File                      b. Insert                      c. Data                      d. Design
- Which of these functions is used to calculate the value of a number raised to a power?  
a. SUM                      b. PRODUCT                      c. COUNT                      d. POWER
- Which of the following is not a QBasic statement?  
a. GOTO                      b. IF....THEN                      c. FOR...NEXT                      d. EXIT
- Which of the following is a one way decision making statement?  
a. IF...THEN...ELSE                      b. IF...THEN                      c. FOR...NEXT                      d. GOTO
- Which of the following terms is related to pixels?  
a. display                      b. resolution                      c. quality                      d. coordinates
- Which color is denoted by the digit 7?  
a. bright blue                      b. white                      c. black                      d. red
- Which of the following is the low-level language?  
a. C                      b. C++                      c. Java                      d. machine language
- Which of the following is the high-level language?



26. Which of the following statements is used to transfer the program control from one statement to another?
- a. GOTO            b. DO..LOOP            c. DO WHILE...LOOP            c. WHILE LOOP
27. Which of the following statements repeats the statements depending upon the condition placed either after DO or after LOOP.
- a. GOTO            b. DO..LOOP            c. DO WHILE...LOOP            c. WHILE LOOP
28. Which of the following is one of the small dots that make up an image on a screen?
- a. pixel            b. resolution            c. coordinates            c. none of these
29. 2. Which of the following is sharpness of an image measured in pixels per inch(ppi)?
- a. pixel            b. resolution            c. coordinates            c. none of these
30. Which of the following is pair of numbers used to indicate the position of a point in 2-dimensional system?
- a. pixel            b. resolution            c. coordinates            c. none of these
31. Which of the following is used to produce a beep sound?
- a. BEEP            b. PAINT            c. LINE            d. None of these
32. Which of the following is used to fill an area with a specified color?
- a. BEEP            b. PAINT            c. LINE            d. None of these

**Q.2 Fill in the blanks.**

1. The first and second generation languages are low-level languages.
2. Artificial intelligence languages are fifth generation languages.
3. Some popular fourth generation languages are PL/SQL, Foxpro, Stata, Oracle and Visual Basic.
4. Some popular fifth generation languages being developed are Mercury, OPS5 and Prolog.

5. The full form of BASIC is Beginners' All Purpose Symbolic Instruction Code
6. A selected rectangular block consisting of two or more cells in it is called acell range or range
7. A formula begins with an equals(=) sign.
8. In absolute cell reference, the reference of a cell does not change.
9. The absolute cell reference for the cell located in column F and row 6 is \$F\$6
10. The length of a formula cannot be more than 8192 characters.
11. The #DIV/0! Error is displayed in a cell when a number is divided by zero.
12. The cell address AA119 represents the row heading 119 and the column heading AA.
13. The absolute cell reference for a cell located in row 89 and column L is \$L\$89
14. Functions are found under the formulas tab.
15. COUNT is a type of statistical function.
16. =PRODUCT(5,12,13) will give the output as 780
17. =POWER(5,4) will give the output as 625
18. Autosum is a shortcut to insert functions of Sum, Average, Count , Max and Min.
19. The Sorting data feature is used to sort data in ascending or descending order.
20. The sort and filter options are found in the data group.
21. To use the Advanced filter feature, you need to define the list range and the criteria range.
22. A line chart is used to show trends over time using lines.
23. Design, Layout and Format are three new tabs that appear on the ribbon under chart tool
24. A loop is created in a program to perform repetitive tasks.

25. FOR...NEXT, DO...LOOP and WHILE...WEND are the three types of loops.
26. The FOR...NEXT loop is used when we know the exact number of times the loop has to be executed.
27. In a FOR...NEXT loop, the count variable controls the number of times the loop is executed.
28. The GOTO statement is used to transfer the program control from one statement to another.
29. CTRL and BREAK keys are used to end an infinite loop.
30. The repeated execution of a set of statements is called Looping.
31. The DO WHILE...LOOP is an entry controlled loop.
32. When a loop is present inside another loop, it is called nested loop.
33. The WHILE...WEND loop is functionally equivalent to the DO WHILE...LOOP
34. The screen resolution is determined by pixels.
35. Text mode and graphics mode are the two modes of QBasic
36. The screen 12 statement is used for the highest resolution.
37. Text mode is the default mode of Qbasic.

**Q.3 Match the columns.**

1	Machine language	A	Designed to fulfill the requirements of a particular individual or company.
2	System software	B	Used to create, store, modify and sort data in a database
3	Assembler	C	Developed to operate and control the computer hardware
4	Database management system	D	Translates programs written in assembly language to machine language
5	Customize software	E	Programs written in binary form


A.

❖ 1- e    2- c    3- d    4- b    5- a

**Q.4 Give two examples of each of the followings.**

1. Presentation Software MS Powerpoint, Corel Presentation
2. Third Generation Languages C , C++
3. Graphics Software Adobe Photoshop , MS Paint
4. Operating Systems - Windows 7, windows 10
5. Word processing software - MS WORD, OK WORD
6. DBMS Software – Microsoft Access , Oracle

**Q.5 Write T for True or F for False.**

1. Excel can be used to sort and filter data in a worksheet. - T
2. Conditional Formatting feature is used when you have to format data in only one cell. – F
3. Filtering feature permanently hides the data that you do not want. – F
4. Filter is a quick way to find a specific set of data in a range. - T
5.  icon indicates that the filter has been removed. – F

6. The order of execution of the statements in a program cannot be changed. F
7. In a FOR...NEXT loop, the NEXT statement signals the end of the loop. T
8. The STEP value in a FOR...NEXT with STEP loop can only be positive. F
9. The DO WHILE...LOOP repeats as long as the condition holds true. T
10. In a nested loop, the inner loop must end before the outer loop. T
11. The WHILE...WEND loop is an exit controlled loop. F
12. The LINE statement is used to draw a curved line between two points. F
13. Text mode is the default mode of Qbasic. T
14. SCREEN 2 is the most frequently used screen mode. F
15. No graphics can be created in SCREEN 0 mode. T
16. The CIRCLE statement can be used to draw an arc. T
17. It is not necessary to define the coordinates of the centre of a circle. F
18. The syntax of the PAINT statement consists of X,Y coordinates. T
19. In the "SOUND f, d" statement, 'd' stands for distance. F
20. The frequency of sound is measured in 'Hertz'. T