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**SINDHI HIGH SCHOOL, BENGALURU**

**HALF-YEARLY EXAMINATION [2023-24]**

**SUBJECT: COMPUTER SCIENCE**

**Class: VII Marks : 30**

**Date: 12.10.2023 Reading Time: 8:30 to 8:40 am**

**No of Sides:02 Writing Time: 8:40 to 9:40 am**

**GENERAL INSTRUCTIONS:**

* Please read all the questions carefully.
* All questions are compulsory

**I. Fill in the blanks: (½ x 5 = 2½)**

1. The hexadecimal equivalent of ‘D’ is \_\_\_\_\_\_\_\_\_\_\_. **½**

2. A digit in the binary number system is known as \_\_\_\_\_\_\_\_\_\_. **½**

3. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_ displays data in a pictorial form. **½**

4. The language that a computer understands is known as\_\_\_\_\_\_\_\_\_\_\_\_. **½**

5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ allows you to display the data across a 3D landscape. **½**

**II. Write True or False for the following: (½ x 5 = 2½)**

1. Number system is a set of values used to represent different quantities. **½**

2. Sorting is useful when you have to view the data in a specific order. **½**

3. The base of the number is written as a superscript. **½**

4. A chart won’t be saved automatically when you save a workbook. **½**

5. Binary numbers can be added and subtracted as decimal numbers. **½**

**III. Multiple Choice Questions: (½ x 5 = 2½)**

1. What is the most significant digit (MSD) in the number 27613? **½**

(a) 1 (b) 2 (c) 3 (d) 6

2. Which function key is used to insert a chart in a worksheet? **½**

(a) F6 (b) F8 (c) F11 (d) F2

3. Which number system uses only 2 digits to represent a number? **½**

(a) Binary Number System (b) Octal Number System

(c) Decimal Number System (d) Hexadecimal Number System

4. Which of the following is used to insert a chart element? **½**

(a) Insert (b) Chart Design

(c) Layout (d) View

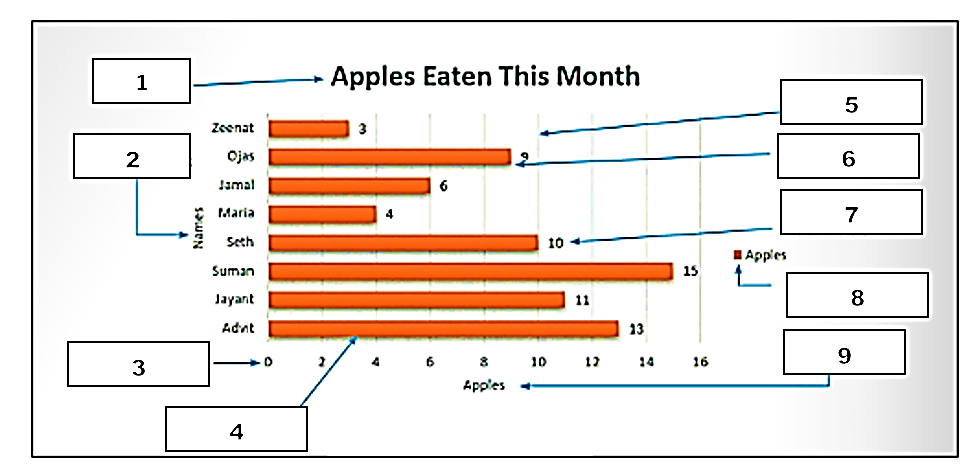
5. To quickly sort a list based on one column, on the Home tab, in the Editing group, click on \_\_\_\_\_\_\_\_\_\_\_. **½**

(a) Filter (b) Sort and Filter

(c) Sort (d) review

**IV.** **Identify the Chart Elements in the given chart and label them in the given number**

**sequence: (½ x 9 = 4½)**

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**V. Answer the following questions: (2 x 4 = 8)**

1. Name four commonly used Number systems.  **2**

2. How is a column chart different from a bar chart? **2**

3. Write the rules to multiply two binary numbers? **2**

4. What is the difference between sorting data and filtering data? **2**

**VI. Do as directed: (10)**

1. Add the given binary numbers (10111)2 and (110001)2 **2**

2.Riya has created a worksheet containing information about her stationary items, prices and sales of

months. She wants to see the sales in a chart. Help her to do her task. **2**

3. Convert the hexadecimal number (FD654)16 to its corresponding binary equivalent number. **2**

4. Shyam has created a worksheet of his class student. He wants to check the result of students in

ascending order. How can he achieve this? **2**

5. Convert the octal number (205)8 to its corresponding binary equivalent. **2**

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