NUMBER SYSTEM

Chapter-1

CLASS 7

A.   Complete the sentences.

1.   The base of decimal number system is ....

2.   The position of first digit towards left side of the decimal point is ....

3.   The most widely used number system is ....

4.   A binary number is made up of only ....

5.   Hexadecimal number system provides shortcut method to represent ....

6.   Binary addition is similar to the addition of ....

B.   Write 'T' for true and 'F' for false. Correct and rewrite the false statements.

1.   The word binary comes from 'Bi-' meaning three.

....

2.   We cannot perform the addition operation on binary numbers.

....

3.   The letters A to F represent the decimal numbers from 12 to 17 in hexadecimal number system.

....

4.   A single binary digit (like '0' or '1') is called a 'byte'.

....

5.   The octal number system consists of eight digits from 1 to 8.

....

C.   Read the clues and answer the following:

1.   It contains a decimal point.   ....

2.   It uses the digits 0 to 7.   ....

3.   It consists of 16 digits.   ....

4.   It is simply a manner of counting.   ....

.   It is used as a shorthand representation of long binary numbers.   ....

Grade: ☆ ☆ ☆ ☆ ☆   Teacher's Signature: _____

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

Chapter-2

CLASS 7

CHARTS IN EXCEL 2016

A. **Tick (✓) the correct option.**

1. Which chart is used to display the quantitative magnitude of the data graphically?

   a. Area ⬜ b. Line ⬜ c. Scatter ⬜

2. .... can be either horizontal or vertical lines.

   a. Legend ⬜ b. Guidelines ⬜ c. Labels ⬜

3. Which of the following is used to display the data in the form of long rectangular rods?

   a. Bar chart ⬜ b. Line chart ⬜ c. Scatter chart ⬜

4. Which of the following is not a component of a chart?

   a. X-axis ⬜ b. Y-axis ⬜ c. Layout ⬜

B. **Define the following.**

1. Data series ....

2. Legend ....

3. Gridlines ....

4. Chart ....

C. **Write the uses of the following.**

1. Area chart

   ....

2. Pie chart

   ....

3. XY Scatter Plot chart

   ....

4. Legend

   ....

Grade: ☆ ☆ ☆ ☆ ☆ Teacher's Signature: _____

ORANGE

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

Chapter-3

CLASS 7

ADVANCED FEATURES OF EXCEL

A. Complete the sentences.

1. The filter can also be applied through Sort & Filter group under the Data tab by selecting the ....

2. The Data Bars option is used to add data bars to the cells having ....

3. The Highlight Cells Rules option is used to highlight all cells satisfying a given ....

4. The Top/Bottom Rules option is used to highlight some top or bottom cells in a ....

5. We can select the Conditional Formatting command from Styles group under the ....

B. Write 'T' for true and 'F' for false. Correct the false statements.

1. The selected data in Excel is usually arranged in descending order.

   ....

2. Conditional Formatting is used to separate unwanted material from a mixture.

   ....

3. The conditional formatting applied to a data can be cleared by selecting New Rule option.

   ....

C. Tick (✓) the correct option.

1. Numbers and Symbols in Excel can be sorted by using ....

   a. Sort A to Z ☐   b. Find & Select ☐   c. AutoSum ☐

2. The Sort & Filter command exist under the Editing group in the .... tab.

   a. Home ☐   b. Formula ☐   c. Insert ☐

D. What is the difference between sorting data and filtering data?

....

....

....

Grade: ☆ ☆ ☆ ☆ ☆   Teacher's Signature: _____

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

MORE ON ANIMATE 2024

A. Read the clues and answer the following:

1. I am an application software used to create automatic animation. ....

2. I am a tween used to smoothly morph one shape into another. ....

3. I am used to hide a selected part. ....

4. I am an option under Modify menu used to format contents of text separately. ....

B. Match the following.

1. Motion   a. File

2. Break Apart   b. Modify

3. Import   c. Insert

C. Write the types of tween.

1. ....   2. ....

3.   4   ....

5. ....

D. Answer the following questions.

1. Define Masking.

....

2. Write the steps to rename a layer.

....

3. Write two examples of shapes tween.

....

Grade: ☆ ☆ ☆ ☆ ☆   Teacher's Signature: _____

ORANGE

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

INTERNET SERVICES

A. Write a short note on the following:

1. Blogging - ....
   ....

2. Newsgroup - ....
   ....

3. Cloud Storage - ....
   ....

4. Network - ....
   ....

B. Write two examples of the Cloud Storage Service.

1. ....

2. ....

C. Write the full form of the following:

1. RSS - ....

2. E-mail - ....

D. Match the following.

1. Cloud Storage   a. Quora

2. Modes of payment   b. OneDrive

3. Question & Answer site   c. Net Banking

Grade: ☆ ☆ ☆ ☆ ☆   Teacher's Signature: _____

ORANGE

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

APP DEVELOPMENT

A. Identify the category of the following Apps:

1. ....

2. ....

3. ....

4. ....

5. ....

B. Answer the following questions.

1. What are Social Networking Apps?

    ....

2. What is Android?

    ....

3. Name any one App development tool.

    ....

4. What are the differences between native and hybrid apps?

    ....

Grade: ☆ ☆ ☆ ☆ ☆   Teacher's Signature: _____

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

MORE ON HTML5

A. **Complete the sentences.**

1. A tag used to align the text to center is. ....

2. A tag which defines start and end of a paragraph in the text is. ....

3. HTML stands for ....

4. I am a tag used to give italic effect to your text. ....

B. **Write a short note on the following tags:**

1. <HR> ....

   ....

2. <PRE> ....

   ....

3.
 ....

   ....

4. <SUP> ....

   ....

C. **Write 'T' for true and 'F' for false. Correct and rewrite the false statements.**

1. Face is an attribute of <Font> tag.

   ....

2. Margin is the value that appears around an element.

   ....

3. The <Sup> tag is used to write the equation $x^2+y^2=7$.

   ....

Grade: ☆ ☆ ☆ ☆ ☆   Teacher's Signature: _____

LISTS AND TABLES IN HTML5

Chapter-8

A. Complete the sentences.

1. The <TR> stands for ....

2. The description list is also known as ....

3. The <UL> tag is used to define an ....

4. The <TD> tag stands for ....

5. Tables represent the data in the form of ....

B. Write 'T' for true and 'F' for false. Correct and rewrite the false statements.

1. The VALIGN attribute of the <TD> tag is used to align the position of text in the cell horizontally.

   ....

2. A list is a collection of related tags.

   ....

3. Rows are further divided into cells by using the <TR> tag.

   ....

4. The COLOR attribute is used to change the background color of the table.

   ....

5. The BORDER attribute allows you to show borders only at specified sides.

   ....

C. Explain the following:

1. CELLPADDING - ....

   ....

2. COLSPAN - ....

Grade: ☆ ☆ ☆ ☆ ☆   **Teacher's Signature:** _____

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

CONDITIONAL STATEMENTS IN PYTHON

A. Write a short note on the following:

1. Nested if statement - ....

    ....

2. if…elif…else statement - ....

    ....

3. if else statement - ....

    ....

B. Fill in the blanks.

1. The .... statements are used as decision making statements in Python.

2. The print() function to .... output on the screen.

3. The .... statement forces execution of next iteration.

4. The statement print ("Python"+"Programming") will print ....

5. The .... function use to take the input form the user.

C. Write a Python program to print all the element of the following sequence.
    ['a', 'e', 'i', 'o', 'u']

    ....

    ....

    ....

    ....

Grade: ☆ ☆ ☆ ☆ ☆   Teacher's Signature: _____

ORANGE

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

TOUCHPAD
PLUS Ver. 2.2

Chapter-10

CLASS 7

AI FOR SDGS

A. Answer the following in one or two words.

1. What is the other name of SDGs? ....

2. State the year in which the SDGs were adopted by the United Nations. ....

3. Which SDG aims to end hunger? ....

4. Which SDG aims to guarantee justice and freedom for all people by 2030? ....

5. Which SDG aims to provide clean energy by 2030? ....

B. Match the following.

1.	[icon]	a.	Climate Action
2.	[icon]	b.	Reduced Inequalities
3.	[icon]	c.	Affordable and Clean Energy
4.	[icon]	d.	Zero Hunger

C. Answer the following questions.

1. How AI can help achieve the goal of SDG 6?

....

2. Explain why AI is necessary to promote gender equality?

....

3. What is the aim of SDG 4?

....

4. What is the aim of SDG 14?

Grade: ☆ ☆ ☆ ☆ ☆   Teacher's Signature: _____