

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

NUMBER SYSTEM

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

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

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?

.....
.....

Name: _____

Roll No: _____

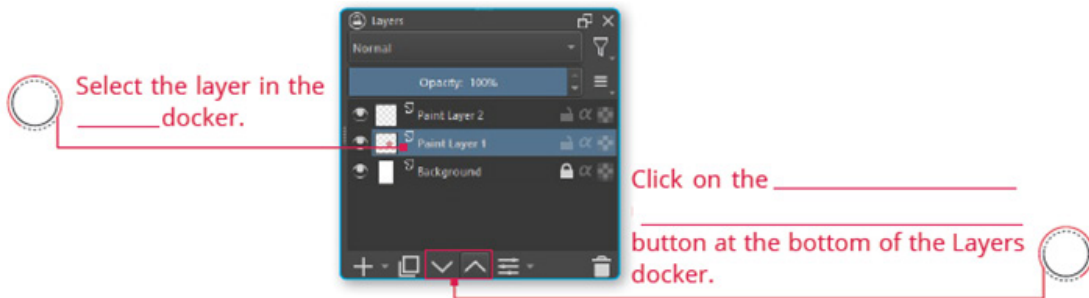
Class: _____ Section: _____ Date: _____

LAYERS IN KRITA

A. Match the following:

- | | |
|------------------|---|
| 1. Workspace | a. Contains layers |
| 2. Toolbox | b. Contains icons of different menu options |
| 3. Toolbar | c. Contains tools |
| 4. Layers Docker | d. Area where we can create/ edit images |

B. Complete the steps to move a layer.



C. Answer the following questions:

- Write the steps to rename a layer.
.....
- Explain Hiding/Unhiding a layer.
.....
- What are layers? Explain how to create a new layer.
.....

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

ANIMATIONS IN KRITA

A. Tick (✓) the correct option.

1. Which of the following is used to switch to the Animation mode?

| | |
|--|---------------------------------------|
| a. Choose workspace <input type="checkbox"/> | b. Workspace <input type="checkbox"/> |
| c. Settings <input type="checkbox"/> | d. Timeline <input type="checkbox"/> |
2. Which of the following is used to control and manage the animation of different objects and layers?

| | |
|--------------------------------------|---|
| a. Timeline <input type="checkbox"/> | b. Layer <input type="checkbox"/> |
| c. Oval <input type="checkbox"/> | d. None of these <input type="checkbox"/> |
3. Which of the following are special frames where some change is defined in the properties of an object?

| | |
|--|--|
| a. Blank Frames <input type="checkbox"/> | b. Keyframes <input type="checkbox"/> |
| c. Layers <input type="checkbox"/> | d. All of these <input type="checkbox"/> |

B. Match the following:

- | | |
|-------------|--|
| 1. Stage | a. Special frames where some change is defined |
| 2. Timeline | b. Animation's Workspace |
| 3. Keyframe | c. A rectangle section which is used to control and manage the animation |

C. Create animated traffic lights using Krita and write the steps in the space given below.

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

GOOGLE APPS

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 |
















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?

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 tag.
.....
2. Margin is the value that appears around an element.
.....
3. The <Sup> tag is used to write the equation $x^2+y^2=7$.
.....

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

LISTS AND TABLES IN HTML5

A. Complete the sentences.

1. The <TR> stands for
2. The description list is also known as
3. The 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 -

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

ALGORITHMIC INTELLIGENCE

A. Tick (✓) the correct option.

1. If M=101, J is 000, what will MJ be written as in binary?

a. MJ

☐

b. 101000

☐

b. 000101

☐

d. M101J000

☐

2. Electrical signal 1 stands for and 0 stands for

a. OFF, ON

☐

b. ON, OFF

☐

b. NO, YES

☐

d. EVEN, ODD

☐

B. Write the conditions of the following:

1. If number is divisible by 5.

.....

.....

2. To display "MATCH" if it is Sunday otherwise display "NO MATCH".

.....

.....

3. To display "RAIN" if it is a rainy day today otherwise display "SUNNY DAY".

.....

.....

C. Answer the following questions.

1. What is if-then-else condition?

.....

2. How does computer store and process information?

.....

3. Write an 'if' condition to display "picnic" if it is Sunday today otherwise display "School".

.....



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']

.....

.....

.....

.....

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

CONCEPT OF SMART LIVING

A. Write the names of the following smart devices:

1.



.....

2.



.....

3.



.....

B. Tick (✓) the benefits of smart homes.

1. They are installed with gadgets that can be accessed remotely.
2. They are great at consuming power.
3. All the devices being accessed from one point is one of the biggest advantages of Smart homes.
4. Smart smoke detectors do not sound an alarm when smoke is detected.

C. Answer the following questions.

1. What is a Smart home? List any four benefits of Smart homes.
.....
.....
2. Name any three Smart devices that are used in Smart homes.
.....
.....