# WORKSHEET

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**Chapter-1**

**CLASS 8**

## OPERATING SYSTEM

**A.  Tick (✓) the correct option.**

1.  Which of these is an Operating System?

    a.  Linux ☐        b.  CUI ☐        c.  Microsoft ☐

2.  Which of these is CUI based Operating system?

    a.  Windows ☐        b.  DOS ☐        c.  Mac ☐

**B.  Label the following functions of Operating system:**



**C.  Answer the following questions:**

1.  Write the types of Operating system.

    ................................................................................................................

2.  Write two advantages of GUI.

    ................................................................................................................

3.  Can a computer work without any operating system? Why?

    ................................................................................................................

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Chapter-2

CLASS 8

# SPREADSHEET—FUNCTIONS AND CHARTS

**A.  Read the clues and answer the following:**

1.  It is a collection of different worksheets.

    ..................................................................................................................

2.  It is formed by the intersection of a row and a column.

    ..................................................................................................................

3.  The address of the active cell is displayed in this box.

    ..................................................................................................................

4.  This command is used to merge the selected cells in Excel 2019.

    ..................................................................................................................

5.  This command is used to apply the style on a cell.

    ..................................................................................................................

**B.  Write 'T' for true and 'F' for false.**

1.  Functions are predefined formulas in Excel to perform both simple and complex calculations.          ....................

2.  Word 2019 is an application software to store and analyse numerical data.          ....................
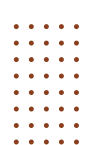
3.  Row height and column width cannot be changed.          ....................

4.  We cannot format numbers in a cell.          ....................

**C.  Write the steps to use the logical functions in Excel 2019.**

Step 1 ..................................................................................................................

Step 2 ..................................................................................................................
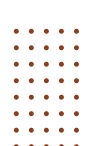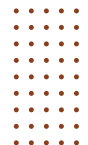
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## ORANGE

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Chapter-3

CLASS 8

## ALGORITHMS AND FLOWCHARTS

**A. Read the clues and answer the following:**

1. It is a sequence of steps written to solve a given problem.  ...................

2. I am a box used to show start or stop point of the flowchart.  ...................

3. I am graphical diagram representation of an algorithm.  ...................

**B. Draw a flowchart to calculate simple interest.**

**C. Write an algorithm to add two numbers.**

1. ...................................................................................

2. ...................................................................................

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**Chapter-4**

CLASS 8

## PROGRAM CODING

**A. Label the following window:**
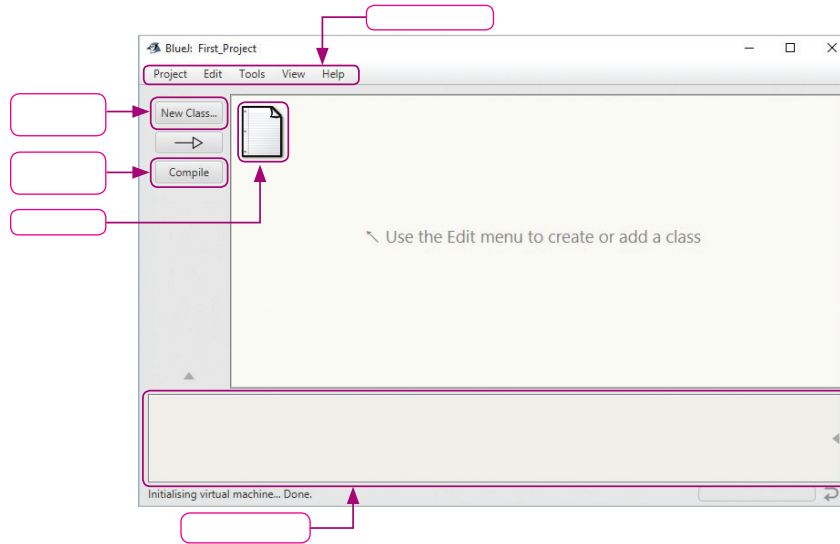


**B. Answer the following questions:**

1. Write any three rules for naming an identifier.

   .................................................................................................................................

   .................................................................................................................................

2. Write the steps to compile a program.

   .................................................................................................................................

   .................................................................................................................................

3. Write any three features of Java.

   .................................................................................................................................

   .................................................................................................................................

**C. Explain three techniques to write comments.**

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.................................................................................................................................

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**Chapter-5**

**CLASS 8**

# CONDITIONAL, LOOPING AND JUMPING STATEMENTS IN JAVA

**A.** **Write the syntax of Switch statement.**

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..............................................................................................
..............................................................................................
..............................................................................................

**B.** **Answer the following questions:**

1. When should one use Do-while loop?

..............................................................................................
..............................................................................................
..............................................................................................

2. Jumping statements are used in Java to cause an unconditional jump to another statement elsewhere in the program. Justify this statement with an example.

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..............................................................................................
..............................................................................................

3. What are logical errors? Explain by an example.

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4. Write a Java program to calculate the factorial of an entered number.

..............................................................................................
..............................................................................................
..............................................................................................

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Chapter-6

CLASS 8

## APP DEVELOPMENT

**A. Identify the following apps and write their names.**

1. .................... 2. .................... 3. .................... 4. ....................

**B. Answer the following questions:**

1. Name three most popular app stores.

   ...........................................................................................

2. What is iOS?

   ...........................................................................................

3. Name two gaming apps.

   ...........................................................................................

4. What is the first thing you should do before using an app?

   ...........................................................................................

**C. Guess who am I?**

1. I am an app created by combining the features of native app and web app.

2. I am a category of apps which shared more than 24% area of the app store.

3. I am a category of apps that provides a platform for children to learn from anywhere and anytime.

4. I am a category of apps which allows people to connect with friends and family members

WORKSHEET

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Chapter-7

CLASS 8

# COMPUTER NETWORKING

**A.** **Name the following devices:**

1. ........................
2. ........................
3. ........................

**B.** **Define the following:**

1. Client - ................................................................................................
   ................................................................................................

2. Server - ................................................................................................
   ................................................................................................

3. Router - ................................................................................................
   ................................................................................................

**C.** **Correct and rewrite the following statements.**

1. In Star topology, all the nodes are connected to a single common path.
   ................................................................................................

2. CAN stands for Computer Area Network.
   ................................................................................................

3. Networking refers to the geometric arrangement of computers or nodes in a network.
   ................................................................................................

4. TCP/IP stands for Transmission Control Protocol/Internet Process.
   ................................................................................................

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**Chapter-8**

CLASS 8

# CLOUD COMPUTING

## A. Label the steps for Uploading Files on OneDrive.
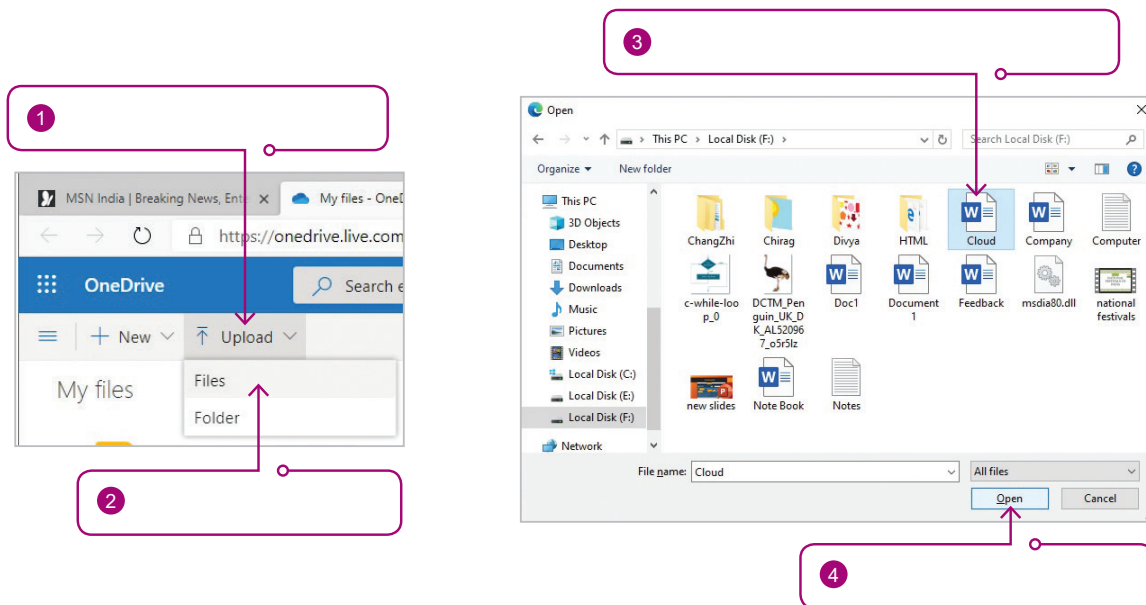


## B. Answer the following questions:

1. Write any two characteristics of Cloud Computing.

   ..............................................................................................................

   ..............................................................................................................

2. Why one should use Cloud computing for storing data?

   ..............................................................................................................

   ..............................................................................................................

3. What is Zipcloud?

   ..............................................................................................................

   ..............................................................................................................

4. How you can access OneDrive?

   ..............................................................................................................

   ..............................................................................................................

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