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## ADVANCED FEATURES OF WINDOWS 10

### Chapter-1

### CLASS 7

#### A. Tick (✓) the correct option.

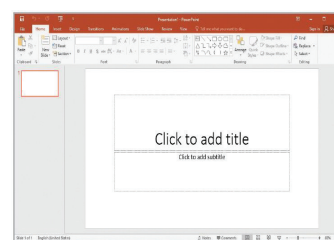
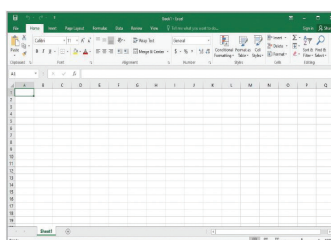
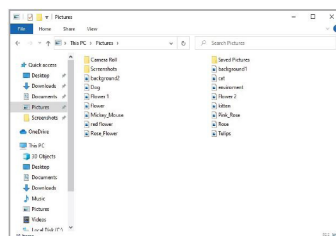
- Which of the following views displays very large thumbnails of the files and folders?
 

a. Extra Large Icons	<input type="checkbox"/>	b. Large Icons	<input type="checkbox"/>
c. Tiles	<input type="checkbox"/>	d. None of these	<input type="checkbox"/>
- Which of these window provides options for different hardware and software settings?
 

a. Control Panel	<input type="checkbox"/>	b. Fonts	<input type="checkbox"/>
c. Control	<input type="checkbox"/>	d. None of these	<input type="checkbox"/>
- Which of the following is used to change date, time of the computer?
 

a. Clock, Language	<input type="checkbox"/>	b. Wild Card	<input type="checkbox"/>
c. Font	<input type="checkbox"/>	d. None of these	<input type="checkbox"/>

#### B. Identify the following views and write their names:



- .....
- .....
- .....

#### C. Fill in the blanks using the hints given below:

**Hints:** File, Question mark, Managing data

- A ..... is the basic unit of storage in windows.
- The ..... symbol allows to search a file in a computer.
- Windows has simplified the task of ..... in our computer.

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## ADVANCED FEATURES OF WINDOWS 10

Chapter-1

CLASS 7

### A. Guess who am I?

1. I am a view which is used to display file and folders as small icons. ....
2. I am the shortcut key to open File Explorer. ....
3. I help to organise files and folders. ....

### B. Answer the following questions:

1. Name two Wildcard characters.  
.....
2. What is the use of Control Panel?  
.....
3. What is a font?  
.....

### C. Match the following:

- |                        |  |
|------------------------|--|
| 1. System and Security | a. Special character   |
| 2. Wild card           | b. Medium thumbnails   |
| 3. Medium Icons View   | c. Setting the overall operations and security of Windows 10 |

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**TOUCHPAD**

PLAY Ver. 2.1 >

## CHARTS IN EXCEL

Chapter-2

CLASS 7

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

1. It is a mathematical symbol used to start a formula in MS Excel. ....
2. It is a type of charts in MS Excel that shows the correlation between two sets of values. ....
3. It is a key which shows the meanings of symbols and colours used in the Chart. ....
4. It is a built-in function that returns the current date. ....
5. It calculates the maximum, minimum, average etc. of a set of numeric data. ....

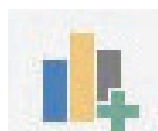
### B. Circle the correct option.

1. Absolute cell references in MS-Excel use the (dollar (\$) / equal (=)) symbol.
2. Built-in formulas in Excel are called (functions / methods).
3. The (hash / exclamation) sign point separates the worksheet portion of the reference from the cell portion.
4. Formula is visible in the (Status bar / Formula bar) when you select a cell that contains the result of the formula.
5. (Statistical / Mathematical) function calculates the average of a given set of numbers.

### C. Write the use of the following functions in MS Excel:

1. LEN() – .....
2. COUNT() – .....
3. UPPER() – .....
4. SQRT() – .....

### D. Identify the following icons of MS Excel:



1. ....

2. ....

Grade:



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## CHARTS IN EXCEL

### Chapter-2

### CLASS 7

#### A. Explain the following:

1. SUM() - .....
2. Operators - .....
3. Chart - .....
4. Legend - .....

#### B. Tick (✓) the correct option.

1. Which one of the cell references can be included in relative reference?
 

a. A3	<input type="checkbox"/>	b. A\$1	<input type="checkbox"/>
c. \$A\$4	<input type="checkbox"/>	d. \$D6	<input type="checkbox"/>
2. The common functions like SUM, AVERAGE, MAX, MIN, can be accessed by using the down-arrow of the ..... command.
 

a. AutoSum	<input type="checkbox"/>	b. Insert	<input type="checkbox"/>
c. Format	<input type="checkbox"/>	d. None of these	<input type="checkbox"/>

#### C. Write the formula to:

1. Concatenate the text strings "Touch" and "Pad".  
.....
2. Find the maximum value from the 3, 5, 9, 10, and 13 values.  
.....
3. Find the current day from the date 7/23/2021.  
.....
4. Extract three characters from the right side of the text string "Concatenate".  
.....

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**TOUCHPAD**

PLAY Ver. 2.1 >

## USING TOOLS IN GIMP

Chapter-3

CLASS 7

### A. Tick (✓) the correct option.

1. Which tool is used to make blur an image?

a. Blur Tool

☐

b. Healing Tool

☐

c. Brush Tool

☐

d. Rectangle Tool

☐

2. Which tool is used to show the image as the wet paint?

a. Sharp Tool

☐

b. Smudge Tool

☐

c. Brush Tool

☐

d. Blur Tool

☐

3. Shortcut key to set a new heal source point is.....

a. Ctrl + Shift

☐

b. Ctrl + Alt

☐

c. Alt + Click

☐

d. Ctrl + Click

☐

4. Which tool is used to duplicate part of an image?

a. Blur Tool

☐

b. Healing Tool

☐

c. Clone Tool

☐

d. Crop Tool

☐

### B. Read the clues and answer the following:

1. It is a tool used to sharpen the image.

.....

2. It is used to set order of visibility of the objects. .

.....

3. It contains tools to create, edit and enhance an image.

.....

4. It is a shortcut key to select Healing tool.

.....

Grade:



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**TOUCHPAD**

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## USING TOOLS IN GIMP

Chapter-3

CLASS 7

### A. Circle the correct option.

1. (Retouching / Correction) tools are used to remove or add some features to the image.
2. (Clone / Healing Tool) is used to duplicate a part of an image.
3. (Pattern / Blur Tool) is used to lighten the existing colours of the image .
4. (Smudge / Clone Tool) is used to show the image as the wet paint on the image has been spread by a finger.
5. (Healing / Sharpen) Tool is used to repair dark spots, scratches, etc. from the image.

### B. Write the use of the following tools in GIMP.

1.  .....
2.  .....
3.  .....
4.  .....
5.  .....

### C. Number the steps to duplicate the part of an image in the correct order.

- ☐ Press and hold the Ctrl key and click on the image to be cloned.
- ☐ Release the mouse button when clone completed.
- ☐ Open the image and then click on Clone Tool from the Toolbox.
- ☐ Click and drag the mouse at the place where the clone is to be created.
- ☐ Select the brush size and hardness from Tool Options.

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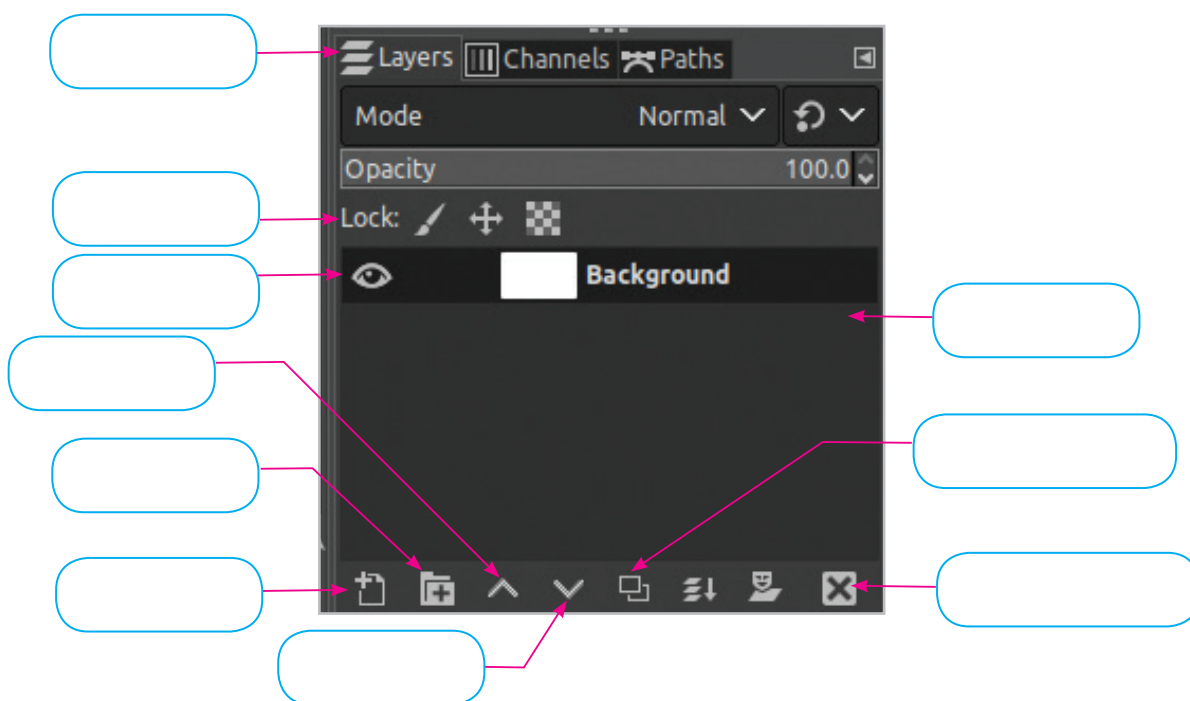
Class: \_\_\_\_\_ Section: \_\_\_\_\_ Date: \_\_\_\_\_

## ADVANCED FEATURES OF GIMP

Chapter-4

CLASS 7

### A. Label the given layer palette.



### B. Read the clues and answer the following:

1. It is used to combine all the layers as one layer. ....
2. It is a filter used to soften a portion of an image. ....
3. It is a palette displays all the layers. ....
4. It is used to merge the selected layer with the layer below it. ....
5. It is a tool used to increase or decrease the on-screen size of an image. ....
6. It is an icon used to hide or unhide a layer. ....

Name: \_\_\_\_\_

Roll No: \_\_\_\_\_

Class: \_\_\_\_\_ Section: \_\_\_\_\_ Date: \_\_\_\_\_

## ADVANCED FEATURES OF GIMP

Chapter-4

CLASS 7

### A. Fill in the blanks using the hints given below:

**Hints:** invisible, layers, Flatten Image, Toggle, Filters Create a new layer

1. You can create a new layer by using ..... button.
2. .... are transparent sheets.
3. A ..... button is a user interface control which is used to display ON or OFF states.
4. Hiding a layer means to make the layer temporarily .....
5. .... option is used to combine all the layers of an image.
6. .... tools are used to modify an image in a variety of ways.

### B. Answer the following questions:

1. What do you mean by flattening layers?

.....

2. How you rename a layer?

.....

3. What is an Eye icon?

.....

4. Write the use of Lock Pixels.

.....

5. What are filters?

.....



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**TOUCHPAD**

PLAY Ver. 2.1 >

## SAFEGUARDING YOUR COMPUTER

Chapter-5

CLASS 7

### A. Tick (✓) the correct option.

- Which of the following option is the most common type of malware?
  - Worm
  - Virus
  - Spyware
- Which of the following option tracks user's browser and download history and keeps popping advertisements on the screen?
  - Virus
  - Trojan Horse
  - Adware
- Which of the following option is a set of programs that identify and remove malware?
  - Antivirus
  - Emotet
  - Virus

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

- Mydoom Worm would spread itself with the message:  
"Hacked By Chinese!" .....
- Wabbit Virus (1974) makes multiple copies of itself until the system slows down and crashes. ....
- Emotet secretly infects a smartphone (Android or iOS) and tracks the device completely for every action. ....
- Storm Worm (2007) attacked millions of computers with an email about approaching bad weather. ....

### C. Match the following:

- |             |         |
|-------------|---------|
| 1. Storm    | a. 2014 |
| 2. Code Red | b. 2001 |
| 3. Emotet   | c. 2016 |
| 4. Pegasus  | d. 2007 |

Grade:



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## SAFEGUARDING YOUR COMPUTER

Chapter-5

CLASS 7

### A. Find the given words in the following grid:

**Hints:** Trojan, Spyware, Adware, Virus, Worm

P	C	B	T	Y	S	Z	N	D	A
N	U	V	U	F	E	H	M	U	D
S	J	O	T	R	O	J	A	N	W
Z	P	J	N	V	K	G	O	L	A
T	Y	Y	I	M	R	O	W	B	R
X	C	R	W	Y	G	S	F	Z	E
I	U	H	O	A	B	O	I	H	W
S	V	G	H	Y	R	K	C	K	M
Z	S	K	D	F	Z	E	U	S	W
I	H	F	M	L	E	Q	A	D	J

### B. Answer the following questions:

1. Write any three harms caused by computer malware.

.....

.....

2. Write about the don'ts to protect the computer?

.....

.....

### C. Competency-based/Application-based question:

Harshit was using his computer when, after a few minutes, his system started slowing down, and then it suddenly crashed. Which malware attacked his system?

.....

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## GOOGLE APPS

### A. Write the names of any four Google apps.

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

### B. Fill in the blanks using the hints given below:

**Hints:** saved, Google Maps, Alphabet incorporation, encoding , Share

1. In December 2019, Sundar Pichai became the CEO of .....
2. Encryption is the process of ..... a message or file so that it can only be accessed by authorized people.
3. The ..... icon generate a link of your document for sharing and giving access.
4. The three kinds of ..... views are satellite, terrain and map.
5. Changes made to the Google Docs are ..... automatically when working online.

### C. Guess who am I?

1. I am an online version of Microsoft PowerPoint developed by Google in 2006. ....
2. I am a video sharing application where users can upload their videos, share, comment, watch and like other videos. ....
3. I am a spreadsheet application introduced by Google on March 9, 2006. ....
4. I am the tag line of YouTube. ....
5. I am a cloud-based storage service that can store all types of files such as photos, videos, PDFs, Microsoft Office files and many more. ....

Name: \_\_\_\_\_

Roll No: \_\_\_\_\_

Class: \_\_\_\_\_ Section: \_\_\_\_\_ Date: \_\_\_\_\_

## GOOGLE APPS

### A. Tick (✓) the correct option.

1. Which of the following apps is used to make presentation?

a. Gmail

☐

b. YouTube

☐

c. Slides

☐

d. Sheets

☐

2. Which of the following is a type of social media application?

a. Facebook

☐

b. YouTube

☐

c. Slides

☐

d. Sheets

☐

3. Which of the following is not a Google app?

a. Slides

☐

b. Facebook

☐

c. YouTube

☐

d. None of these

☐

4. We use Set Permissions option in Google Sheets to .....

a. Protect Sheets

☐

b. Delete Sheets

☐

c. Withdraw Protection

☐

d. All of these

☐

5. Which of the following actions cannot be performed on YouTube?

a. Video uploading

☐

b. Watching video

☐

c. Sending an email

☐

d. Saving a video

☐

### B. Answer the following questions.

1. State two uses of Google maps.

.....

2. What is Gmail?

.....

3. State any two benefits of Google Docs.

.....



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## MORE ON HTML5

### A. Tick (✓) the correct option.

- Which language describes the structure of a web page?
 

a. Hypertext	<input type="checkbox"/>	b. Markup	<input type="checkbox"/>
c. Programming	<input type="checkbox"/>	d. None of these	<input type="checkbox"/>
- ..... tag hold all the content of a web page.
 

a. <HTML>	<input type="checkbox"/>	b. <HEAD>	<input type="checkbox"/>
c. <TITLE>	<input type="checkbox"/>	d. <BODY>	<input type="checkbox"/>
- Which of the following font properties is used to change the font size?
 

a. font-family	<input type="checkbox"/>	b. font-size	<input type="checkbox"/>
c. font-style	<input type="checkbox"/>	d. None of these	<input type="checkbox"/>
- Which of the following background properties is used to specifies the repetition of an image on the web page?
 

a. background-image	<input type="checkbox"/>	b. background-imagerepeat	<input type="checkbox"/>
c. background-repeatimage	<input type="checkbox"/>	d. background-repeat	<input type="checkbox"/>
- Which tags are used to add headings in a web page?
 

a. Heading	<input type="checkbox"/>	b. Style	<input type="checkbox"/>
c. Superscript	<input type="checkbox"/>	d. Subscript	<input type="checkbox"/>

### B. Fill in the blanks using the hints given below:

**Hints:** margin, paragraph, HTML, superscript, subscript

- ..... is a markup language.
- The ..... property is used to set margins for any web page element.
- The <P> tag is used to define a section of text as a .....
- The <SUB> tag stands for .....
- The <SUP> tag stands for .....

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## MORE ON HTML5

### A. Write 'T' for true and 'F' for false.

1. The <sub> tag has no attributes to align text. ....
2. The margin tag has 5 levels. ....
3. The background colour of the web page cannot be changed. ....
4. HTML allows you to change the colour of the text. ....
5. The <HR> tag is used to draw lines between paragraphs. ....

### B. Answer the following question.

1. What is the use of <title> tag?  
.....  
.....
2. Which tag is used to break lines of text?  
.....  
.....
3. Which tag is used to write chemical formula?  
.....  
.....
4. What is the use of the <SUP> tag?  
.....  
.....
5. Which property is used to align the text in HTML5?  
.....  
.....

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## CONDITIONAL STATEMENTS IN PYTHON

Chapter-9

CLASS 7

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

1. These are the reserved words that has specific function in a program.

.....

2. It is a memory location used to store a value.

.....

3. It specifies the type of value a variable can contains.

.....

4. It is a data type in Python to store numeric values.

.....

5. It is a special symbol in Python used to perform arithmetic or logical computation.

.....

### B. Circle the correct option.

1. A (dictionary / string) is a collection of key-value pairs.
2. The (parenthesis / exponent) has the highest precedence.
3. The second nested (if / else)indented block will run only when the first if condition evaluates to be true.
4. If the condition evaluates to (true/ false), then the control of execution is passed to the next statement after the if block.

### C. Write the name of three types of conditional statements used in Python.

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

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## CONDITIONAL STATEMENTS IN PYTHON

Chapter-9

CLASS 7

### A. Write syntax of the following:

1. if statement - .....  
.....
2. if...else statement - .....  
.....
3. nested if statement - .....  
.....

### B. Tick (✓) the correct option.

1. What is the answer of the expression,  $2^{**}4-6//2$ ?  

a. 13	<input type="checkbox"/>	b. 16	<input type="checkbox"/>
c. 14	<input type="checkbox"/>	d. 13.5	<input type="checkbox"/>
2. .... are the reserved words in Python.  

a. Keywords	<input type="checkbox"/>	b. Operators	<input type="checkbox"/>
c. Comments	<input type="checkbox"/>	d. None of these	<input type="checkbox"/>
3. Which of the following operator has the lowest precedence?  

a. AND	<input type="checkbox"/>	b. +	<input type="checkbox"/>
c. //	<input type="checkbox"/>	d. None of these	<input type="checkbox"/>

### C. Write a Python program to check whether a candidate is eligible for voting or not.

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



Name: \_\_\_\_\_

Roll No: \_\_\_\_\_

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## AI FOR SDGs

### A. Tick (✓) the correct option.


1. According to SDG 2, world hunger will be curbed by ..... .
 

a. 2025	<input type="checkbox"/>	b. 2030	<input type="checkbox"/>
c. 2035	<input type="checkbox"/>	d. 3030	<input type="checkbox"/>
2. Integrating AI with education provides us with ..... .
 

a. Quality education	<input type="checkbox"/>	b. Quality books	<input type="checkbox"/>
c. Quality food	<input type="checkbox"/>	d. Quality time	<input type="checkbox"/>
3. When was the idea of SDG conceived?
 

a. 2010	<input type="checkbox"/>	b. 2011	<input type="checkbox"/>
c. 2012	<input type="checkbox"/>	d. 2014	<input type="checkbox"/>

### B. Identify the following SDGs and write their names.

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

### C. Answer the following questions.

1. Expand SDGs.
2. Worldwide, approximately how many percent people are struggling to fulfil the most basic needs like health, education and access to water and sanitation?
3. What percentage of earth's surface is occupied by the oceans?
4. How AI can be used in Health Care centers?

Name: \_\_\_\_\_

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Class: \_\_\_\_\_ Section: \_\_\_\_\_ Date: \_\_\_\_\_

## AI FOR SDGs

### A. Write 'T' for true and 'F' for false.

- SDG 7 aims to lessen the youth unemployment. ....
- The aim of SDG 10 is to provide clean water by reducing pollution, eliminating dumping and minimising release of harmful chemicals by 2030. ....
- SDG 5 aims to end hunger issues and ensure access to nutritious food for all children. ....
- Our oceans are vast and cover more than 80% of the earth's surface. ....

### B. Fill in the blanks.

- The idea of SDG came from the ..... summit in the year 2012.
- AI can be a vital ..... for the global community to achieve the targets of the United Nations Sustainable Development Goals.
- AI for climate action has the potential to reduce global greenhouse gas emissions by up to ..... percent.
- ..... may help in improving industrial growth thereby improving the global financial market and institutions.

### C. Assertion and Reasoning based question.

Assertion (A): AI powered apps can be used by employers to use gender sensitive language for their recruitment-drive. AI can analyse huge amount of data to find the area where more gender specific issues exist.

Reason (R): For sustainable development, it's necessary that we end all forms of discrimination against women. This is a basic human right. We need to provide equal access to resources, opportunities, power and property to women in the world.

- Both A and R are correct and R is the correct explanation of A.
- Both A and R are correct but R is NOT the correct explanation of A.
- A is correct but R is not correct.
- A is not correct but R is correct.