Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

Chapter-1

CLASS 5

DATA STORAGE AND MEMORY

A. Tick (✓) the correct option.

1. Which of the following has the highest storage capacity?

   a. Hard disk ☐   b. Pen drive ☐

   c. DVD ☐   d. Flash Drive ☐

2. Which one of these is an example of non-volatile memory of the computer?

   a. ROM ☐   b. CD ☐

   c. RAM ☐   d. Memory card ☐

3. Which one of these is a device covered with a magnetic coating?

   a. Optical Disc ☐   b. Magnetic Disk ☐

   c. Hard Disk ☐   d. DVD ☐

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

Hints: platters, nibble, hard disk, storage

1. The _____ devices are used to store data and information.

2. CPU can directly access _____ .

3. A group of 4 bits is known as a _____ .

4. Hard disk consists of one or more magnetic disks called _____ .

C. Write 'T' for true and 'F' for false.

1. RAM is a permanent memory. _____

2. Blu-ray disc is an optical disc. _____

3. The basic unit for measuring the memory of a computer is bit. _____

4. DVD stands for Digital Versatile or Video Disc. _____

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

Name: _____

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Class: _____ Section: _____ Date: _____

DIGICODE AI

Ver. 2.1 →

Chapter-1

CLASS 5

DATA STORAGE AND MEMORY

A. Rearrange the letters to get the name of memory devices.

1. NEP DIVER
2. DRAH KSID
3. LHASF RDIEV
4. ILOK BTEY
5. CALOPTI CISD

B. Answer the following questions:

1. What is hard disk?

    ....

2. What is memory card?

    ....

3. Name the types of CD.

    ....

C. Name the following devices:

1.

    ....

2.

    ....

3.

    ....

4.

    ....

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

DIGICODE AI
Ver. 2.1 ⊙

Chapter-2

CLASS 5

INTRODUCTION TO EXCEL 2016

A. Explain the following:

1. Contiguous Cell Range ....

2. Active cell ....

3. Column Heading ....

B. Tick (✓) the correct option.

1. What is the default file extension of an Excel 2016 workbook?

   a. .pptx ☐   b. .xlsx ☐

   c. .docx ☐   d. .html ☐

2. We can also save the workbook by pressing .... keys.

   a. Ctrl+S ☐   b. Ctrl+A ☐

   c. Ctrl+P ☐   d. Ctrl+B ☐

3. Which of these is a collection of worksheets?

   a. Workbook ☐   b. Cell range ☐

   c. Block ☐   d. Cell ☐

4. Which of the following is a collection of two or more cells?

   a. Workbook ☐   b. Cell range ☐

   c. Block ☐   d. Cell ☐

C. Write 'T' for true and 'F' for false.

1. Worksheet navigation buttons are located on the right side of the worksheet tab. ....

2. A group of cells when selected forms a rectangle which is called a block. ....

3. An excel file is called workbook. ....

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

ORANGE

WORSHEET ②

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

DIGICODE AI
Ver. 2.1 →

Chapter-2

CLASS 5

INTRODUCTION TO EXCEL 2016

A. Label the following components of Excel 2016 interface.
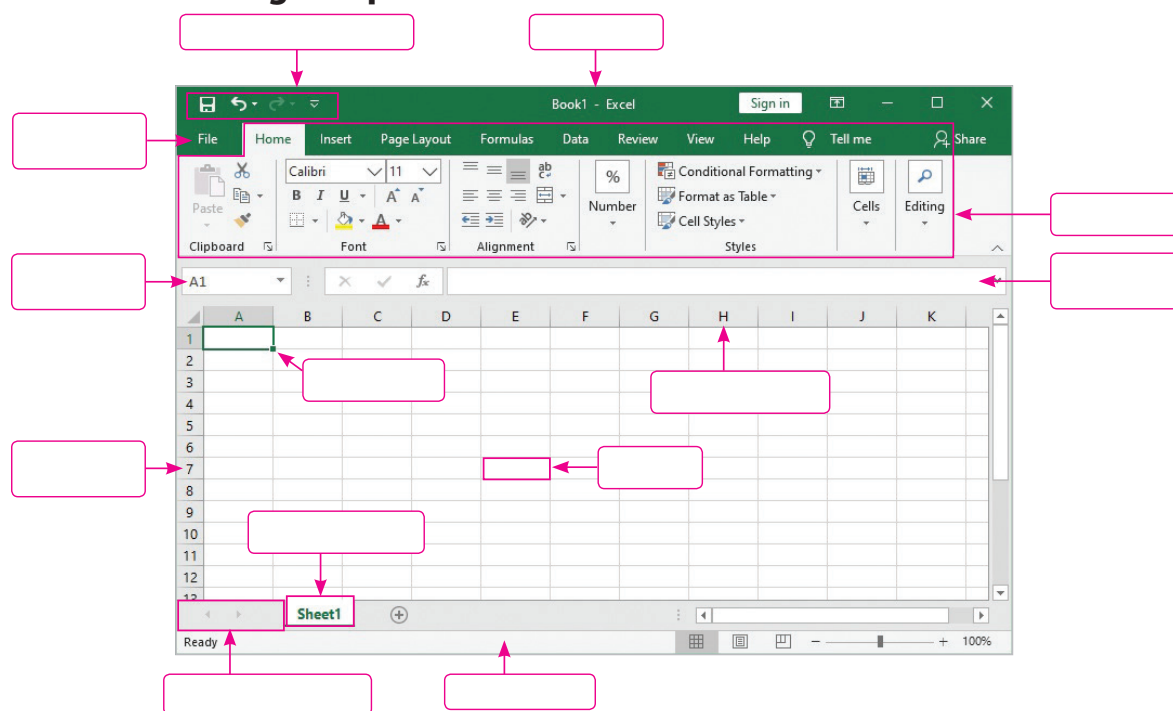
B. Fill in the blanks using the hints given below:

Hints: Editing, Cells, Delete, Number, hh:mm:ss

1. To edit any content, you have to select the ....

2. To select a column, place the mouse pointer on the .... header.

3. To delete the contents of cells, select the cells and press the .... key.

4. Time type is used to enter time in either hh:mm or .... format.

C. Answer the following questions:

1. List any two features of Excel 2016.

   ....

2. What is a cell range? How can you select a range of cells using the mouse?

   ....

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

MORE ON POWERPOINT 2016

A. Tick (✓) the correct option.

1. Which view in PowerPoint allows you to see all slides as thumbnails on a single screen?

   a. Normal View ☐   b. Slide Sorter View ☐

   c. Outline View ☐   d. Reading View ☐

2. To apply a built-in template in PowerPoint, which tab do you use?

   a. Design tab ☐   b. File tab ☐

   c. Insert tab ☐   d. Format tab ☐

3. Which of the following alignment options moves the text to the left side of the slide?

   a. Center ☐   b. Align Left ☐

   c. Align Right ☐   d. Justify ☐

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

Hints: Layouts, Text effects, Shape Fill, Images

1. WordArt allows you to add .... to your slides to make them more colourful and attractive.

2. WordArt allows you to add .... to your slides to make them more colourful and attractive.

3. To apply a background colour to a shape, use the .... command in the Format tab.

4. A placeholder is used to insert ...., text, shapes, and SmartArt.

C. Write 'T' for true and 'F' for false.

1. Normal View allows you to view a presentation in full screen. ....

2. Slide Sorter View displays all slides as thumbnails on a single screen. ....

3. Changing theme fonts can help to change the text font for the entire presentation. ....

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

ORANGE

WORKSHEET ②

DIGICODE AI
Ver. 2.1 ⊙

Chapter-3

CLASS 5

MORE ON POWERPOINT 2016

A. Find six words related to presentation in the given grid.

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

B. Answer the following questions:

1. Define Placeholder.

....

....

2. What do you mean by templates?

....

....

3. How do you insert a picture from a file into a PowerPoint slide?

....

....

4. What do you mean by Theme Backgrounds? Write steps to insert a WordArt on the slide.

....

....

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

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

DIGICODE AI
Ver. 2.1 ➤

Chapter-4

CLASS 5

INTERNET AND E-MAIL

A. Read the clues and answer the following:

1. It is an address of a web page over the Internet.

    ....

2. Copying a Web page onto a server.

    ....

3. It is a system of interconnected networks.

    ....

4. It is a collection of related web pages.

    ....

5. It is a software application designed to find hypertext documents on the web and then open the documents on the user's computer.

    ....

B. Circle the correct option.

1. (Internet / E-mail) is a huge, cooperative community with no central ownership.

2. The seeds of the Internet were planted in (1959 / 1969).

3. (HTTP / WWW) is a large information system where you can surf and get information.

4. A collection of related pages is called (website / web browser).

5. A (web browser / hyperlink) is simply a part of the web page that is linked to a URL.

C. Name the different parts of the following email:

orangeeducation123@gmail.com

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

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

ORANGE

DIGICODE AI
Ver. 2.1 ⊙

Chapter-4

CLASS 5

INTERNET AND E-MAIL

A. Guess Who Am I?

1. I am a system of interconnected networks, and I allow for the transfer of information and data globally. ....

2. I help identify a specific address on the Internet, ensuring that the correct web page is found. ....

3. I represent facial expressions and emotions in text form, such as smiling or laughing. ....

4. I am a protocol used to access information on the web by enabling the transfer of documents between computers. ....

B. Tick (✓) the correct option.

1. What does the acronym MIME stand for in e-mail?

   a. Mobile Internet Mail Extension ☐

   b. Multipurpose Internet Mail Extension ☐

   c. Modern Internet Mail Extension ☐

   d. Multiple Internet Mail Extension ☐

2. Which of the following fields is not available while writing a new email in Gmail?

   a. To ☐   b. Cc ☐

   c. Subject ☐   d. New Message ☐

3. Which of these is used to show Sleeping expression emoticon?

   a. (-_-)zzz ☐   b. (=_=) ☐

   c. :$ ☐   d. None of these ☐

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

ORANGE

WORKSHEET ① 1

DIGICODE AI
Ver. 2.1

Chapter-5

CLASS 5

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

DATA PROCESSING

A. Match the following:

1. Maps   a.

2. Pictures   b.

3. Tables   c.

4. Pictograms   d.

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

1. In pictograms, information can be repsented in the forms of tables. ....

2. Decoding is the process of processing coded message into understandable language. ....

3. Sorting is arranging data in a specific order. ....

4. Data refers to raw information. ....

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

ORANGE

WORSHEET ②

DIGICODE AI
Ver. 2.1

Chapter-5

CLASS 5

DATA PROCESSING

A. Tick (✓) the correct option.

1. What is the process of converting a coded message into understandable language?

    a. Information ☐   b. Decoding ☐

    c. Data ☐   d. Decoding ☐

2. What will be the correct word for the code?

    3 15 13 16 21 20 5 18

    a. Decoding ☐   b. Computer ☐

    c. None of these ☐   d. Decoding ☐

B. The following table represents the marks obtained by Saurav in each subject. Arrange the information in ascending and descending order of numbers.

Subject	Marks Obtained
English	32
Science	95
Maths	64
Computer	72
Hindi	46
Social studies	59

C. Answer the following questions.

1. What is Decoding?

    ....

2. Give two examples of pictograms.

    ....

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

ORANGE

WORKSHEET ①

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

DIGICODE AI
Ver. 2.1 ⊘

Chapter-6

CLASS 5

CREATING SHAPES IN SCRATCH

A. Guess who am I?
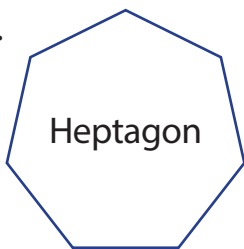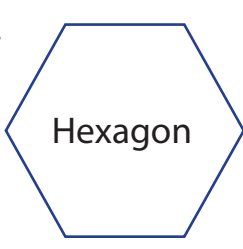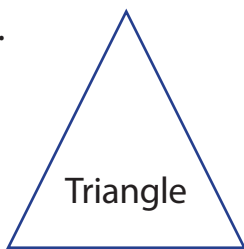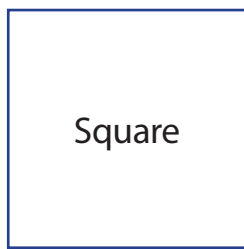
1. I move the sprite a specified number of steps. ....

2. I change the pen's stroke size as the program runs. ....

3. I am used to view the sprite in full screen. ....

4. I am a block which is used to draw shapes in Scratch. ....

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

Hints: erase all, stamp, add extension, repeat, quadilateral

1. .... block deletes everything drawn on the stage.

2. .... block is used to create a duplicate of the sprite.

3. .... button is located at bottom left corner of the code tab.

4. .... is an example of polygon.

5. .... blocks will be used to draw a square.

C. Write the number of sides and degree of turn for the given shapes.

1. Heptagon

2. Hexagon

3. Triangle

4. Square

Sides	Sides	Sides	Sides ....
Degree	Degree	Degree	Degree ....

Grade: ☆ ☆ ☆ ☆ ☆

Teacher's Signature: _____

ORANGE

WORSHEET ②

Chapter-6

CLASS 5

DIGICODE AI
Ver. 2.1

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

CREATING SHAPES IN SCRATCH

A. Match the following polygons with the commands:

1. Decagon ⬡   a. Repeat 8 Move 100 Steps Turn 45 degrees

2. Pentagon ⬠   b. Repeat 9 Move 100 Steps Turn 40 degrees

3. Octagon ⯃   c. Repeat 10 Move 100 Steps Turn 36 degrees

4. Triangle △   d. Repeat 5 Move 100 Steps Turn 72 degrees

5. Nonagon ⬡   e. Repeat 3 Move 100 Steps Turn 120 degrees

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

1. You cannot draw a shape in scratch. ....

2. To draw a circle you need to rotate the sprite by 180 degrees. ....

3. Pen down block is used to start drawing lines as the sprite moves. ....

4. Heptagon has 8 sides. ....

5. To draw an octagon the angle value should be 40 degree. ....

C. Answer the following questions:

1. What are polygons? Name any four polygon shapes.

....

....

2. What is the use of set pen color to block in Scratch?

....

....

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

ADVANCED BLOCKS & GAME CREATION

A. Match the following:

1.	Boolean Blocks	a.	play sound Meow ▾ until done
2.	Stack Blocks	b.	delete this clone
3.	CAP Blocks	c.	when ⚑ clicked
4.	C Blocks	d.	or
5.	Hat Blocks	e.	repeat 10
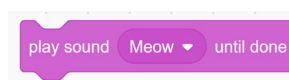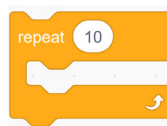
B. Guess who am I?

1. I am used to make the penguin ask question. ....

2. I am an another name of C block. ....

3. Reporter blocks have rounded edges. ....

C. Write 'T' for true and 'F' for false.

1. In scratch, a program is called a Script. ....

2. Reporter blocks cannot hold values which consist of numbers or strings. ....

3. The variable appears in the list of Variables blocks. ....

4. We cannot create our own variables in Scratch. ....

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

Name: _____

Roll No: _____

Class: _____ **Section:** _____ **Date:** _____

ADVANCED BLOCKS & GAME CREATION

A. Tick (✓) the correct option.

1. Boolean blocks are .... in shape.

   a. Octagonal ☐   b. Pentagonal ☐

   c. Hexagonal ☐   d. Decagonal ☐

2. Which of the following is a cap block?

   a. When green flag is clicked ☐   b. Forever ☐

   c. Think ☐   d. say ☐

3. There are .... types of block shapes in Scratch.

   a. Five ☐   b. Six ☐

   c. Seven ☐   d. Eight ☐

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

Hints: touching, blocks, ask and wait, key pressed

1. In Scratch, a program is made up of a collection of .... that work together to carry out a task.

2. The .... block checks if a specific key on the keyboard has been pressed by the user.

3. .... blocks is used to ask the user for input via the keyboard and wait for a response.

4. A .... block is used to check if the Sprite touches another Sprite or the mouse pointer.

C. Answer the following questions:

1. Name any two blocks from the sensing block category.

   ....

2. Differentiate between global and local variables in Scratch.

   ....

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

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

Chapter-8

CLASS 5

AI IN POPULAR APPS

A. Match the following:

1.   a. Fyle

2.   b. YouTube

3.   c. Siri

4.   d. Socratic

5.   e. ELSA Speak

B. Write T for true and F for false.

1. The future of AI is where the machine will teach themselves. ....

2. Copilot uses models like GPT-4 and DALL-E 3 from OpenAI. ....

3. Socratic app helps students with their home work. ....

4. Lensa AI is an easy-to-use photo editing application ....

5. Swiggy is a food delivering app. ....

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

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

AI IN POPULAR APPS

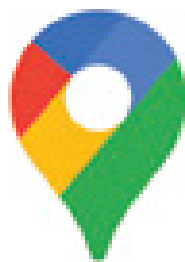**A.** **Answer the following questions:**

1. What is Siri?

   ....

2. What is Alexa?

   ....

3. What is the use of ChatGPT?

   ....

4. What is the use of AI in Netflix?

   ....

B. **Write the names of the following apps:**

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

3. .... 4. ....

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

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

Chapter-9
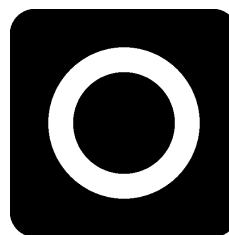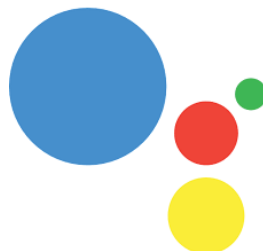
CLASS 5

TRENDING ROBOTS

A. Match the following:

1.   Zenbo   a.

2.   Root   b.

3.   RoboThespian   c.

B. Fill in the blanks with the words given below:

Hint: Zenbo, Hanson Robotics, Dash & Dot, Nao

1.   .... are a pair of robot friends.

2.   .... is used in the Tokyo-Mitsubishi UFJ Bank to help people open bank accounts.

3.   Sophia was developed by Hong Kong-based company ....

4.   .... is a low-cost robot that can roll around freely and understand verbal commands.

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

WORKSHEET ②

TRENDING ROBOTS

A. Identify the robot and name it.

1. First humanoid to receive citizenship. ....

2. Robot designed for therapy, looks like a baby harp seal. ....

3. Robot used by Ford for package delivery. ....

4. A robot that speaks and understands Japanese, English and Chinese. ....

5. A humanoid that mimics the movement of its human operator. ....

B. State True or False:

1. Z-Machines is a robotic actor. ....

2. Sophia can play games like Bingo. ....

3. Root can move along paths drawn on a whiteboard. ....

4. T-HR3 is used for robotic theatre. ....

C. Answer in one line.

1. How does Root work?

   ....

2. What makes Z-Machines special?

   ....

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

Name: _____

Roll No: _____

Class: _____ **Section:** _____ **Date:** _____

DIGICODE AI
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Chapter-10

CHATBOTS

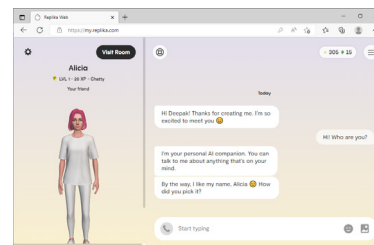**A.** **Choose the correct answers from the hints given in the box and write them in front of the pictures.**
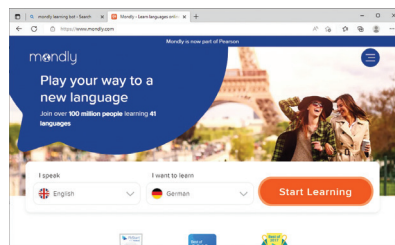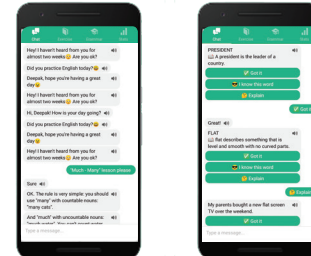
Andy, Replika, Mitsuku, Mondly

1.

....
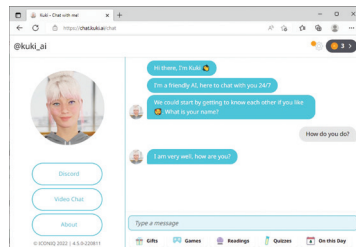
2.

....

3.

....

4.

....

B. **Answer the following questions:**

1. Write about any two uses of chatbots.

....

2. What can you do using Replika the chatbot?

....

3. What are the uses of Andy the chatbot?

....

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

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

DIGICODE AI
Ver. 2.1 ➤

Chapter-10

CLASS **5**

CHATBOTS

A. Find the given words in the crossword given below.

CHATBOT, ANDY, MITSUKU, MONDLY

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

B. Identify the icons and write their names in the space provided.

1. ....

2. ....

3. ....

4. ....

5. ....

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