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Class: _____ Section: _____ Date: _____

DATA STORAGE AND MEMORY

A. Tick (✓) the correct option.

1. Which one of these is not a optical storage device?

a. Pen Drive

☐

b. Blu-ray Disc

☐

c. CD

☐

d. DVD

☐

2. Which of the following memory can be directly accessed by CPU?

a. RAM

☐

b. ROM

☐

c. Both a and b

☐

d. None of these

☐

3. How many bits are there in one nibble?

a. 4

☐

b. 8

☐

c. 9

☐

d. 12

☐

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

Hints: CD-RW, Platters, KB, byte

1. 1 equals 1024 Bytes.

2. A can be used to write data again and again.

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

4. The hard disk consists of one or more magnetic disks called

C. Rearrange the letters to make the correct words.

1. C M O A P T C

2. A D A T

3. V O T L A I L E

4. N B B I E L



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INTRODUCTION TO EXCEL 2016

A. Tick (✓) the correct option.

1. What is the another name of Excel file?

a. Workbook

☐

b. Worksheet

☐

c. Spreadsheet

☐

d. Spreadbook

☐

2. Cells arranged horizontally across the screen are called

a. Rows

☐

b. Columns

☐

c. Grids

☐

d. Box

☐

3. What is a collection of one or more spreadsheets called?

a. Workbook

☐

b. Worksheet

☐

c. Cell

☐

d. None of these

☐

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

1. The intersection of a column and a row is called a box.

2. By default, a workbook file contains three worksheets.

3. Double-clicking a cell activates it for editing directly in the cell.

4. Different cells within a row can have different heights.

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

Hints: Column, name, Data, Formula

1. bar is used to enter and edit formulas and perform calculations on worksheet.

2. The vertical divisions in a worksheet are called

3. is automatically recalculated in the worksheet if any change is made in a single cell.

4. The address of the active cell is displayed in box.



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MORE ON POWERPOINT 2016

A. Tick (✓) the correct option.

1. Which of these is used to make text more decorative and artistic?

a. ClipArt

☐

b. WordArt

☐

c. Animation

☐

d. Shapes

☐

2. Arrangement of text, graphics, images, etc., in a slide is called

a. Animation

☐

b. Slide Layout

☐

c. ClipArt

☐

d. WordArt

☐

3. Which of the following view shows the miniature version of the slides?

a. Slide Sorter View

☐

b. Outline View

☐

c. Notes Page

☐

d. Normal View

☐

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

1. You cannot insert downloaded images in a slide.

2. You cannot change the WordArt font.

3. In Normal View, you can see the slide, the outline and the notes pane box.

4. You can write notes in the notes pane.

C. Name the following file icons:

1. 

2. 

3. 

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INTERNET AND E-MAIL

A. Complete the sentences.

1. The World Wide Web consists of several public and private websites which may be interlinked and accessible over the
2. text usually looks different from normal text on a Web page.
3. A hyperlink is simply a part of the web page that is linked to a
4. To send and receive e-mail, the user must have an
5. The most common general purpose and free e-mail service provider is

B. Write the steps to send an e-mail.

- Step 1
- Step 2
- Step 3
- Step 4

C. Define the following:

1. ARPANET-
2. WWW -
3. Acronym -
4. E-mail -

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DATA PROCESSING

A. The following table represents the number of students in different school. Arrange the information in ascending and descending order of numbers.

School	No. of students
ABC Public School	120
Happy Valley School	45
High Education School	195
Learning Everyday School	175
Education Key School	110

B. Fill in the blanks.

- We can represent in the form of tables.
- Data refers to the input.
- is the process of converting a hidden message to a meaningful text.
- Arranging data in a specific order is known as
- Maps helps us to give us the and

C. Write the correct word for the following code:

- 4 1 20 1
.....
- 9 14 6 15 18 13 1 20 9 15 14
.....
- 13 1 16 19
.....
- 16 9 3 20 15 7 18 1 13 19
.....

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CREATING SHAPES IN SCRATCH

A. Tick (✓) the correct option.

- Which block is used to hide the Sprite from the stage?

a. show	<input type="checkbox"/>	b. escape	<input type="checkbox"/>
c. hide	<input type="checkbox"/>	d. grow	<input type="checkbox"/>
- Which of these blocks are used to draw a trail as the Sprite moves on the stage?

a. Looks	<input type="checkbox"/>	b. Pen	<input type="checkbox"/>
c. Control	<input type="checkbox"/>	d. Motion	<input type="checkbox"/>
- is used so that the Sprite will not draw as it moves.

a. Pen Down	<input type="checkbox"/>	b. Pen Up	<input type="checkbox"/>
c. Stamp	<input type="checkbox"/>	d. All of these	<input type="checkbox"/>

B. Fill in the blanks using the correct words.

- The block changes the pen colour, saturation, brightness and transparency.
- block sets the Pen Size to the given number.
- To draw a pentagon repeat move 100 steps turn degrees.
- To draw a heptagon repeat move 100 steps turn degrees.

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

- Clicking on pen down block creates a duplicate of the current Sprite.
- Pen blocks are blue in colour.
- Show command makes Sprite disappear from the stage.

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ADVANCED BLOCKS & GAME CREATION

A. Tick (✓) the correct option.

- Which block type checks if the Sprite is touching the colour chosen in the block?

a. Reporter	<input type="checkbox"/>	b. Sensing	<input type="checkbox"/>
c. Hat	<input type="checkbox"/>	d. Cap	<input type="checkbox"/>
- What shape do stack blocks have?

a. Rounded	<input type="checkbox"/>	b. Rectangular	<input type="checkbox"/>
c. Bowl-shaped	<input type="checkbox"/>	d. Flat	<input type="checkbox"/>

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

Hints: Global, control, Sprite, Boolean, Cap

- The blocks are the commands or instructions that we give to the to perform a task.
- variables can be used and modified by all sprites.
- The C blocks are present in the blocks category.
- blocks are usually the last blocks in the script.
- blocks check for true or false conditions.

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

- Stack blocks perform the main commands.
- C blocks are loop blocks in Scratch.
- Repeat block is a sensing block.
- Local variables can be accessed by all sprites.

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AI IN POPULAR APPS

A. Tick (✓) the correct option.

- Which of the following is an AI tool used for creating text and images based on user input?

a. Google Maps	<input type="checkbox"/>	b. Uber	<input type="checkbox"/>
c. ChatGPT	<input type="checkbox"/>	d. Swiggy	<input type="checkbox"/>
- What kind of data does Uber use to predict wait times for riders?

a. Personal data	<input type="checkbox"/>	b. Historical trip data	<input type="checkbox"/>
c. Social media data	<input type="checkbox"/>	d. None of these	<input type="checkbox"/>
- Which platform is used to navigate directions and provide real-time traffic information?

a. Google assistant	<input type="checkbox"/>	b. Google Maps	<input type="checkbox"/>
c. Google home	<input type="checkbox"/>	d. YouTube	<input type="checkbox"/>
- has been using AI to improve its orders and delivery.

a. Practo	<input type="checkbox"/>	b. Google Maps	<input type="checkbox"/>
c. Siri	<input type="checkbox"/>	d. Swiggy	<input type="checkbox"/>

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

Hints: ELSA Speak, Deep learning, Fyle, YouTube, Youper

- is an app that helps users with their emotional health.
- uses AI to recommend videos based on a user's search history.
- is an expense management app designed to handle workflows.
- is an AI-powered tool for learning English pronunciation.
- techniques will provide machine to perform high-level thoughts, image recognition, etc.

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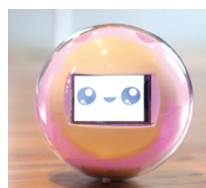
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TRENDING ROBOTS

A. Match the following:

1. Paro

a.



2. Leka

b.



3. Dash & Dot

c.



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

Hints: Robear, Sophia, Digit, Leka

1. Ford became the first owner to deploy humanoid into a factory setting.
2. was developed by Hong Kong-based company Hanson Robotics
3. is a high-tech teddy designed to lift elderly patients from a bed into a wheelchair.
4. has several apps like Hide and Seek, Bingo, etc.

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

1. Nao speaks and understands Japanese, English and Chinese.
2. Z- Machines has a guitarist with 87 fingers.
3. Root is a low cost robot.

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CHATBOTS

A. Tick (✓) the correct option.

- A chatbot, also known as a
 a. speaker ☐ b. bot ☐
 c. robot ☐ d. None of these ☐
- Which of the following chatbots lets you order your favourite pizza with a single word?
 a. Andy ☐ b. Replika ☐
 c. Dom ☐ d. Mondly ☐
- With Mitsuku, you can
 a. Chat ☐ b. Hear stories or poems or jokes ☐
 c. Play games ☐ d. All of these ☐

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

- Andy is a paid chatbot.
- Replika is also known as kuki.
- Mondly is a language learning platform that focuses on interactive online lessons.
- The chatbot works like your virtual assistant.

C. Draw and colour the icons of any three chatbots.