1. EVOLUTION OF COMPUTERS

WORKSHEET_1.1

Name: _____   Date: _____

A. Multiple Choice Questions

1. Invention of computers took place in which decade?

   (a) 1920s   (b) 1930s

   (c) 1990s   (d) 2000s

2. Napier's Bones contains how many sticks?

   (a) 5   (b) 7

   (c) 9   (d) 11

3. There are how many generations of computers?

   (a) 3   (b) 5

   (c) 7   (d) 9

B. Fill in the blanks

correct	fitness	second

1. A computer can perform large number of calculations in fraction of _____ .

2. A computer always gives _____ result.

3. _____ trackers can tell the number of calories burnt in a day.

C. Write T for True and F for False

1. Vacuum tubes are bigger than transistors. ⬭

2. First generation computers are faster than second generation computers. ⬭

3. Third generation computers are faster than second generation computers. ⬭

D. Match the Columns.

Column A	Column B
(1) First generation computers	(a) Microprocessor
(2) Second generation computers	(b) Integrated Circuit
(3) Third generation computers	(c) Humanoid robot
(4) Fourth generation computers	(d) Vacuum tube
(5) Fifth generation computers	(e) Transistor

Grade: _____

Teacher's signature: _____

1. EVOLUTION OF COMPUTERS

Answer Keys

Worksheet 1.1

A.   (1) 1930s, (2) 9, (3) 5

B.   (1) second, (2) correct, (3) fitness

C.   (1) T, (2) F, (3) T

D.   (1) d, (2) e, (3) b, (4) a, (5) c

1. EVOLUTION OF COMPUTERS

WORKSHEET_1.2

Name: _____   Date: _____

A. Multiple Choice Questions

1. Vacuum tubes were used in computers of which generation?

   (a) First   (b) Second

   (c) Third   (d) Fourth

2. Microprocessors were used in computers of which generation?

   (a) First   (b) Second

   (c) Third   (d) Fourth

3. Who is known as the Father of Artificial Intelligence?

   (a) Jack McCarthy   (b) John McCarthy

   (c) John McMillan   (d) Mac McCarthy

B. Fill in the blanks

| Circuits (ICs) | America | voice-based |

1. Siri is an example of _____ assistant.

2. The term 'Artificial Intelligence' was coined by a computer scientist from _____ .

3. _____ is a collection of many electronic components fabricated on a small piece of semiconductor material.

C. Write T for True and F for False

1. IBM PC is an example of fifth generation computer.

2. Fifth generation computers can understand natural language.

3. Charles Babbage designed the first automatic calculating engine called the Difference Engine.

D. Answer these questions.

1. Write a short note on fitness tracker.

2. What do you understand by connectivity of computers? How does it benefit humans?

3. What do you understand by versatility of computers?

4. Make a list of key characteristics of computers.

5. Write a short note on Difference Engine.

Grade: _____   Teacher's signature: _____

1. EVOLUTION OF COMPUTERS

Answer Keys

Worksheet 1.2

A. (1) First, (2) Fourth, (3) John McCarthy

B. (1) voice-based, (2) America, (3) Circuits (ICs)

C. (1) F, (2) T, (3) T

D. 1. Fitness trackers are bands or watches that keep a count of the number of steps we take each day and the calories we burn. Some may also monitor parameters such as pulse rate and heart rate. Example: Fitbit.

2. Today, computers from all over the world at connected with each other through internet. This helps in improving communication among people.

3. The modern-day computer can perform a variety of tasks. These tasks can range from solving complex mathematical problems to performing simple jobs like creating documents.

4. Following are key characteristics of computers:

   Speed, Accuracy, Diligence, High storage, Versatility, Connectivity

5. Charles Babbage designed the first automatic calculating engine called the Difference Engine in the 1800. It could perform complex mathematical calculations.

2. COMPUTER SOFTWARE AND ITS TYPES

WORKSHEET 2.1

Name: _____   Date: _____

A. Multiple Choice Questions

1. Which of the following is an example of utility software?

   (a) Windows   (b) Norton

   (c) MS Word   (d) C++

2. Which of the following is an example of specific purpose software?

   (a) MS Paint   (b) MS Excel

   (c) PowerPoint   (d) Software of a Bank

3. Chrome is an example of which of the following?

   (a) Word Processor   (b) Spreadsheet

   (c) Web Browser   (d) Language processors

B. Fill in the blanks

operating	graphic	language

1. MS Paint is an example of _____ software.

2. Windows is an example of _____ system.

3. _____ processor converts a program into machine language.

C. Write T for True and F for False

1. There are _____ main components of a computer system. ◯

2. A language processor _____ computer program into a language which can be understood by machine. ◯

3. A software is a set of _____ ◯

D. Match the Columns.

Column A	Column B
(1) Mac OS	(a) Presentation software
(2) Norton	(b) Database Management
(3) MS Access	(c) Operating system
(4) Open Office Impress	(d) Web browser
(5) Safari	(e) Antivirus

Grade: _____

Teacher's signature: _____

2. COMPUTER SOFTWARE AND ITS TYPES

Answer Keys

Worksheet 2.1

A.   (1) Norton, (2) Software of a bank, (3) web browser
B.   (1) graphic, (2) operating, (3) language
C.   (1) two, (2) translates, (3) programs
D.   (1) c, (2) e, (3) b

2. COMPUTER SOFTWARE AND ITS TYPES

WORKSHEET 2.2

Name: _____   Date: _____

A. Multiple Choice Questions

1. PowerPoint is an example of which of the following?

   (a) Word processor   (b) Presentation software

   (c) Spreadsheet   (d) Antivirus

2. Kaspersky is an example of which of the following?

   (a) Word processor   (b) Presentation software

   (c) Spreadsheet   (d) Antivirus

3. Which software accepts data exclusively in row and column format?

   (a) Word Processing software   (b) Spreadsheet software

   (c) Graphics software   (d) Animation software

B. Fill in the blanks

graphics	spreadsheet	word

1. Open Office Writer is an example of _____ processor.

2. Lotus 1-2-3 is an example of _____ software.

3. Adobe Photoshop and CorelDRAW are a few examples of _____ software.

C. Write T for True and F for False

1. _____ is the company that makes Windows. ◯

2. Spreadsheet software is used for editing and manipulating _____ ◯

3. Database Management System (DBMS) software help us store large amounts of data in an organised manner. ◯

D. Answer these questions.

1. What do you understand by operating system?

2. What are the key functions of operating system?

3. What is the need of language processor?

4. What is the function of disk defragmenter?

5. Word processor is an example of general purpose software. Why?

Grade: _____   Teacher's signature: _____

2. COMPUTER SOFTWARE AND ITS TYPES

Answer Keys

Worksheet 2.2

A. (1) presentation software, (2) antivirus, (3) Spreadsheet software
B. (1) word, (2) spreadsheet, (3) graphics
C. (1) Microsoft, (2) data, (3) T
D. 1. An operating system is a set of programs which allows us to interact with computer. A computer cannot run without an operating system.
    2. Following are the key functions of operating system:
        - It provides an environment for best use of hardware.
        - It acts as resource manager and different resources in hardware are efficiently managed.
        - It helps to create, save and manage files.
    3. Different software is written in programming languages which are easy to use and understand for humans. But computer cannot understand these languages. Hence a language processor is required. It translates such programs into machine language so computer can understand a program.
    4. Disk defragmenter speeds up the access of data from a hard disk by rearranging the files and the unused space. Files are stored in nearby locations and the unused space is combined together to form adjoining blocks.
    5. Word processor can be used by almost everybody and for numerous purposes. Hence, word processor is a general purpose software.

3. TABLES IN WORD 2016

WORKSHEET 3.1

Name: _____   Date: _____

A. Multiple Choice Questions

1. How many methods are available for inserting table on a page in MS Word?

   (a) One   (b) Two

   (c) Three   (d) Four

2. Which keyboard shortcut moves cursor to previous cell in a table?

   (a) Shift + Tab   (b) Alt + Tab

   (c) Ctrl + Tab   (d) Home

3. Which keyboard shortcut moves cursor to next cell in a table?

   (a) Shift + Tab   (b) Alt + Tab

   (c) Tab   (d) Ctrl + Tab

B. Fill in the blanks

merge	split	right

1. You can _____ a cell to make more than one cell.

2. You can _____ two or more cells into one cell.

3. You can insert a new column on _____ or left of an existing column.

C. Write T for True and F for False

1. Width of a row cannot be increased.

2. Width of a column can be increased or decreased.

3. Formula function from MS Excel is also available in table in MS Word.

D. Answer these questions.

1. What is a table in MS Word?

2. How will you insert a table using Insert Table dialogue box?

3. How will you insert a new row in the table?

Grade: _____   Teacher's signature: _____

3. TABLES IN WORD 2016

Answer Keys

Worksheet 3.1

A. (1) two, (2) Shift + Tab, (3) Tab

B. (1) split, (2) merge, (3) right

C. (1) F, (2) T, (3) T

D. 1. A table is an arrangement of text in a row and column format.

2. Move the cursor where you want to insert table. Select Table from Insert Tab. Select Insert Table from dropdown box. Type required number of columns and rows; followed by clicking on OK.

3. It can be done by using insert tab or by using right click.
   - Place Cursor in a cell and right click.
   - Click on Insert in dropdown box.
   - Select Row above or Row below option; followed by clicking OK.

3. TABLES IN WORD 2016

WORKSHEET 3.2

Name: _____   Date: _____

A. Multiple Choice Questions

1. Options for Table style are present in which tab?

    (a) Home   (b) Design

    (c) Style   (d) Table

2. The intersection of a row and a column is known as which of the following?

    (a) Table   (b) Box

    (c) Cell   (d) Room

3. What is it called when two or more cells are combined to create one larger cell?

    (a) Combining   (b) Merging

    (c) Adding   (d) Joining
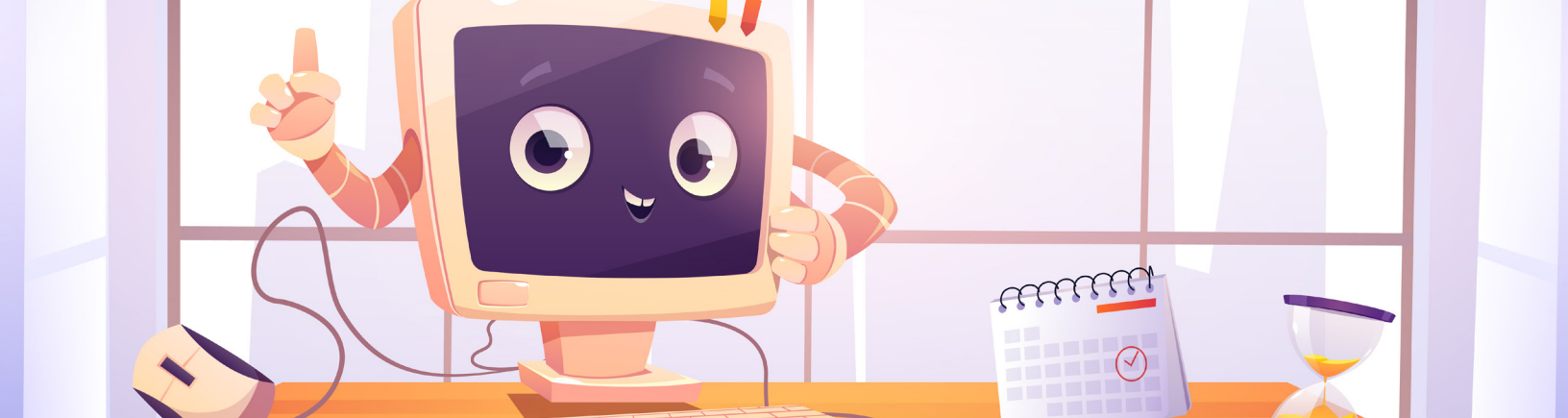
B. Fill in the blanks

table	above	layout

1. You can insert a new row _____ or below an existing row.

2. _____ tab shows options for changing height and width of a cell.

3. A _____ is simply an arrangement of data (or information) in rows and columns.

C. Write T for True and F for False

1. You cannot change the background color of a single cell.

2. You can change the background color of entire table.

3. We can change the appearance of a table in many ways.

D. Answer these questions.

1. How will you delete a row from a table?

2. How will you resize a column by using the mouse?

3. What is the difference between merging and splitting of cells?

Grade: _____

Teacher's signature: _____

3. TABLES IN WORD 2016

Answer Keys

Worksheet 3.2

A.   (1) Design, (2) Cell, (3) Merging

B.   (1) above, (2) layout, (3) table

C.   1. F, 2. T, 3. T

D.   1. Place cursor in the row you want to delete.
   - Right click to open dropdown box.
   - Click on Delete and then click on Delete Row

   2. Place the mouse pointer between the column divider. When the mouse pointer changes to a double-headed arrow, click and drag to resize the column.

   3. **Merging** of cells means joining two or more small cells to make one big cell. **Splitting** of cells means dividing one big cell into two or more smaller cells.

4. 2016 : MAIL MERGE AND USEFUL FEATURES

WORKSHEET 4.1

Name: _____   Date: _____

A. Multiple choice questions

1. How many documents are involved in mail merge?

    (a) Two   (b) Three

    (c) Four   (d) More than 100

2. Which is the final output of Mail Merge?

    (a) Main document   (b) Data Source

    (c) Merged document   (d) Final document

3. Mail merge can be used for writing which of the following?

    (a) Essay   (b) Poem

    (c) Letters   (d) News article

B. Fill in the blanks

> Data source   grammar   Word

1. Mail merge feature is available in MS _____ which is a part of MS Office.

2. _____ contains information that is different for different individuals.

3. You can use spelling & _____ tool to correct spelling and grammatical errors in a document.

C. Write T for True and F for False

1. Mail merge can be used for creating invitation cards for multiple recipients. ◯

2. You need to learn programming skills for using Mail merge. ◯

3. Spelling mistakes are underline with blue wavy lines. ◯

D. Answer these questions.

1. How does the Mail merge work?

2. What do you understand by Main document?

3. What do you understand by Data source in mail merge?

Grade: _____   Teacher's signature: _____

4. 2016 : MAIL MERGE AND USEFUL FEATURES

Answer Keys

Worksheet 4.1

A. (1) three, (2) merged document, (3) letters

B. (1) Word, (2) Data source, (3) grammar

C. (1) T, (2) F, (3) F

D. 1. It works by merging the document containing similar information (content of letter) with the document containing information different for each document (names and addresses of recipients). This saves both time and effort.

2. This document contains the information that is identical for each document. For example, if you want to prepare invitation letters using mail merge, the main document will contain the body of invitation letter.

3. This document contains information that is different for each individual document. For example; names and addresses of different people.

4. 2016 : MAIL MERGE AND USEFUL FEATURES

WORKSHEET 4.2

Name: _____   Date: _____

A. Multiple choice questions

1. How many documents can be created at one go using Mail Merge feature?

   (a) One   (b) Two

   (c) Three   (d) Multiple

2. Which document contains information that is identical in all the output documents in Mail merge?

   (a) Main document   (b) Data source

   (c) Merged document   (d) Final document

3. How many documents are involved in the mail merge process?

   (a) One   (b) Two

   (c) Three   (d) Four

B. Fill in the blanks

red wavy, blue   thesaurus   data

1. You can use _____ for changing a word with a suitable synonym.

2. Merged document is formed by merging main document with _____ source.

3. The spelling mistakes are underlined with a _____ line while grammatical mistakes are underlined with a _____ line.

C. Write T for True and F for False

1. Grammatical mistakes are underlined with red wavy lines.

2. Name, address and telephone number are examples of information to be put into data source.

3. Thesaurus is a built in dictionary in word that shows synonyms and antonyms of a particular word.

D. Answer these questions.

1. What do you understand by merged document?

2. Which are the key steps to perform mail merge?

3. How can you check Spelling and Grammar in a document?

Grade: _____

Teacher's signature: _____

4. 2016 : MAIL MERGE AND USEFUL FEATURES

Answer Keys

Worksheet 4.2

A. (1) multiple, (2) main document, (3) Three
B. (1) thesaurus, (2) data, (3) red wavy, blue
C. (1) F, (3) T, (3) T
D. 1. This is the final document which we get after combining the main document with the data source. Mail merge pulls information (names and addresses) from the data source and puts it in the main document, thus creating a personalised invitation letter for each person.

2. Following are key steps to perform mail merge:
   - Creating the main document
   - Creating the data source
   - Inserting merge fields in the main document
   - Merging main document with data source

3. Follow these steps to check spelling & grammar mistakes:
   1. Click on the spelling & Grammar option in the proofing group on the Review tab. The Spelling or Grammar pane appears on the right side of the document window.
   2. For each error in the document, Word offers one or more suggestions.
      - Click on the Change button to replace the current misspelled word with the chosen word in the suggested list.
      - Click on the Change All button to replace all occurrences of the misspelled word with the chosen word in suggested list.

5. MORE ON POWERPOINT 2016

WORKSHEET 5.1

Name: _____   Date: _____

A. Multiple Choice Questions

1. How many views are available in PowerPoint?

    (a) Four   (b) Six

    (c) Eight   (d) Ten

2. Which view in PowerPoint is used most of the times?

    (a) Normal view   (b) Outline view

    (c) Slide sorter   (d) Slide show

3. The Normal view in PowerPoint contains how many panes?

    (a) Two   (b) Three

    (c) Four   (d) Five

B. Fill in the blanks

nine   pictures   master

1. There are _____ built-in layouts in PowerPoint.

2. A slide _____ controls overall appearance of all slides in a presentation.

3. A photo album in PowerPoint contains only _____ .

C. Write T for True and F for False

1. Change in Slide Master is applied automatically to all slides.

2. Transition effect cannot be applied to all slides.

3. You can change the position of a slide through slide sorter.

D. Answer these questions.

1. What is slide presentation?

2. Which are the different views available in PowerPoint?

3. Write a short note on Normal View in PowerPoint presentation.

Grade: _____

Teacher's signature: _____

5. MORE ON POWERPOINT 2016

Answer Keys

Worksheet 5.1

A. (1) six, (2) normal view, (3) three

B. (1) nine, (2) master, (3) pictures

C. (1) T, (2) F, (3) T

D. 1. A PowerPoint presentation consists of individual pages called slides. It may contain text, pictures, audio, video, charts, etc. The slides are grouped together in a sequence to form a slide show.

 2. Different views available in PowerPoint are:

 Normal • Outline View • Slide Sorter • Notes Page • Reading View • Slide Show

 3. The Normal view is the one that we use most of the time. It is the default view that makes the most commonly used components of a presentation easily accessible. We can add text, pictures, graphics and create speaker's notes in Normal view. This view contains three panes, namely, Slides Navigation pane, Slide pane and Notes pane.

5. MORE ON POWERPOINT 2016

WORKSHEET 5.2

Name: _____   Date: _____

A. Multiple Choice Questions

1. You cannot edit text in which view in PowerPoint?

   (a) Normal view   (b) Outline view

   (c) Slide sorter   (d) All of the above

2. Which view in PowerPoint shows a single slide in full window?

   (a) Reading view   (b) Slide show

   (c) Both a and b   (d) Notes view

3. What does a slide layout in a presentation refer to?

   (a) The animation used in the slide

   (b) The background music of the slide

   (c) The arrangement of items and formatting elements on the slide

   (d) The number of slides in a presentation

B. Fill in the blanks

<div style="text-align:center">animation   theme   transition</div>

1. _____ effect happens when the user moves from one slide to another.

2. _____ effect brings motion in a graphic and/or text.

3. A _____ is a predefined combination of colours, fonts and effects that can be applied to a presentation.

C. Write T for True and F for False

1. Final presentation is viewed in slide sorter.

2. Graphics and animations can be inserted into different slides.

3. A slide master controls the overall appearance of each slide layout in a presentation.

D. Answer these questions.

1. Write a short note on Outline view in PowerPoint.

2. What is the use of Notes Pane in PowerPoint?

3. What do you understand by Slide Layout?

Grade: _____

Teacher's signature: _____

5. MORE ON POWERPOINT 2016

Answer Keys

Worksheet 5.2

A.   (1) slide sorter,

     (2) both a and b,

     (3) The arrangement of items and formatting elements on the slide

B.   (1) transition, (2) animation, (3) theme

C.   (1) F, (2) T, (3) T

D.   1. The Outline View replace the Outline tab in the previous versions of PowerPoint. It is used to create an outline or the storyboard for the PowerPoint presentation. This view displays only the text present in the slide in the left pane. It does not display any image or video present in the presentation. We can edit our slides in Outline View.

     2. A person making a slide presentation often needs to make a note of what to speak during a presentation. Note Pane is used for making such notes. Notes are not displayed during a presentation but prove quite useful for the presenter.

     3. Slide layout refers to the arrangement of all the items that make up a slide in a presentation. It contains placeholders for objects such as text, pictures, shapes, audio, video, etc. It also contains the formatting elements such as background, fonts, colours and effects, for those objects.

6. INTRODUCTION TO MS EXCEL 2016

WORKSHEET 6.1

Name: _____   Date: _____

A. Multiple Choice Questions

1. Row numbers are present on which boundary of a worksheet in Excel?

    (a) Top   (b) Right

    (c) Bottom   (d) Left

2. Column numbers are present on which boundary of a worksheet in Excel?

    (a) Top   (b) Right

    (c) Bottom   (d) Left

3. Sheet number or sheet name is present along which boundary of a worksheet in Excel?

    (a) Top   (b) Right

    (c) Bottom   (d) Left

B. Fill in the blanks

| new | closes | worksheets |

1. A workbook is a collection of _____ .
2. Ctrl + N opens a _____ file.
3. Ctrl + W _____ an open file.

C. Write T for True and F for False

1. You can give any name to a worksheet.
2. You can give any name to a file.
3. You cannot do calculations in MS excel.

D. Match the Columns.

Graph	Name
	Area
	Scatter
	Column
	Line
	Bar

Grade: _____

6. INTRODUCTION TO MS EXCEL 2016

Answer Keys

Worksheet 6.1

A. (1) left, (2) top, (3) bottom
B. (1) worksheets, (2) new, (3) closes
C. (1) T, (2) T, (3) F
D. (1) c, (2) d, (3) e

6. INTRODUCTION TO MS EXCEL 2016

WORKSHEET 6.2

Name: _____   Date: _____

A. Multiple Choice Questions

1. Which of the following shows the address of a cell in a worksheet?

    (a) AA   (b) 23

    (c) A5   (d) A + 5

2. Which of the following is displayed in the Name Box in a window in Excel?

    (a) Name of active cell   (b) Range of selected cells

    (c) Both a and b   (d) Text in active cell

3. What is the main function of the Formula Bar in a worksheet?

    (a) It shows the name of the active cell

    (b) It displays and allows editing of the cell contents

    (c) It adds borders to cells

    (d) It changes the font style

B. Fill in the blanks

| worksheet | copies | Spreadsheet |

1. Ctrl + C is used for _____ content from a cell.

2. Microsoft Excel is a _____ program.

3. The Sheet tab and Tab scrolling bar are used to move from one _____ to another within the same workbook.

C. Write T for True and F for False

1. Formula bar also shows content of active cell.

2. Order of worksheets can be changed by dragging.

3. The Name Box displays the name of the active cell or the selected range of cells.

D. Answer these questions.

1. What do you understand by a spreadsheet?

2. Which are the various parts of MS XL window?

3. What do you understand by worksheet in Excel?

4. What is the difference in Name Box and Formula Bar?

5. How will you open a saved workbook in Excel?

Grade: _____

Teacher's signature: _____

6. INTRODUCTION TO MS EXCEL 2016

Answer Keys

Worksheet 6.2

A. (1) A5, (2) Both a and b, (3) (b) It displays and allows editing of the cell contents

B. (1) copies, (2) Spreadsheet, (3) worksheet

C. (1) T, (2) T, (3) T

D. 1. A spreadsheet (popularly known as worksheet) is a sheet of paper or an electronic document in which data is arranged in a grid of horizontal rows and vertical columns.

2. The various parts of the Excel window that are specific to Microsoft Excel are worksheet, workbook, cells, range of cells, Name Box, Formula Bar, Sheet tab, and Tab scrolling bar.

3. A worksheet is the area where we do all the work. It is made up of horizontal rows and vertical columns where we can enter and edit data.

4. The Name Box displays the name of the active cell or the selected range of cells. The Formula Bar displays the contents of the active cell in the worksheet.

5. Click File → Select desired filed from the list that appears → Click Open

You can also browse through folders to select a particular file to open.

7. PROGRAMMING SPRITES IN SCRATCH

WORKSHEET 7.1

Name: _____   Date: _____

A. Multiple Choice Questions

1. What is the color of sensing blocks?

   (a) Light blue   (b) Light pink

   (c) Light red   (d) Light green

2. What is the color of operators block?

   (a) Light blue   (b) Light pink

   (c) Light red   (d) Light green

3. Operator blocks help in which type of operation?

   (a) Mathematical   (b) Programming

   (c) Puzzle solving   (d) Mouse manipulation

B. Fill in the blanks

sensing   operator   variable

1. _____ block is used to detect things.

2. Multiplication and addition can be done using _____ block.

3. User input can be stored by using _____ block.

C. Write T for True and F for False

1. If-then-else blocks enable taking action if a condition is only true. ◯

2. If-then block enables taking action if a condition is only false. ◯

3. User name and date of birth are examples of variables. ◯

D. Write the function of each operator block in second column of this table.

Operator Block	Function
1. (+)	_____
2. (-)	_____
3. (*)	_____
4. (/)	_____

Grade: _____

Teacher's signature: _____

7. PROGRAMMING SPRITES IN SCRATCH

Answer Keys

Worksheet 7.1

A.   (1) light blue, (2) light green, (3) mathematical
B.   (1) sensing, (2) operator, (3) variable
C.   (1) F, (2) F, (3) T
D.   (1) Addition, (2) Subtraction, (3) Multiplication, (4) Division

7. PROGRAMMING SPRITES IN SCRATCH

WORKSHEET 7.2

Name: _____   Date: _____

A. Multiple Choice Questions

1. What is the color of variables block?

   (a) Blue   (b) Red

   (c) Orange   (d) Green

2. Which block can be used for storing user given input?

   (a) Operator   (b) Sensing

   (c) Variable   (d) If-then-else

3. What does a variable in Scratch refer to?

   (a) A type of sprite used in the project

   (b) A block that controls motion

   (c) A location in memory used to store data during execution

   (d) A sound effect added to the project

B. Fill in the blanks

value	three	can

1. There are _____ blocks in operator category for comparing numbers.

2. Value stored in variable _____ change during execution.

3. The _____ stored in a variable can change during execution.

C. Write T for True and F for False

1. A variable can be applied to all sprites. ◯

2. Length of a word can be counted by using sensing block. ◯

3. A variable can hold only one value at a time. ◯

D. Answer these questions.

1. What do you understand by sensing blocks?

2. What do you understand by operators block?

3. What do you understand by variables?

4. What is the use of if-then block?

5. What is the use of if-then-else block?

Grade: _____   Teacher's signature: _____

7. PROGRAMMING SPRITES IN SCRATCH

Answer Keys

Worksheet 7.2

A. (1) orange,

  (2) variable,

  (3) (c) A location in memory used to store data during execution

B. (1) three, (2) can, (3) value

C. (1) T, (2) F, (3) T

D. 1. The Sensing category of blocks has blocks that detect things. These blocks can be used to determine the location of the mouse pointer, its distance from other sprites, and whether a sprite is touching another sprite, etc. They are light blue in colour.

  2. The Operators block category has blocks that help us perform arithmetic operations such as addition, subtraction, multiplication and division, compare two values, count the length of a word, etc. They are light green in colour.

  3. A variable refers to a location in Scratch's memory which is used to store data (number or string) generated or used by application during execution. The value stored in a variable can change during execution; however, it can hold only one value at a time.

  4. The block is useful when we require to take a specific action if the given condition is true.

  5. The block is useful when you require to take different actions depending on whether the given condition is true or false.

8. MORE ON INTERNET

WORKSHEET 8.1

Name: _____ Date: _____

A. Multiple Choice Questions

1. The first computer network was formed in which country?

   (a) India   (b) USA

   (c) UK   (d) Australia

2. Which of the following is an example of search engine?

   (a) Google   (b) Microsoft

   (c) Sun microsystems   (d) Apple

3. Flipkart is which category of website?

   (a) E-learning   (b) Gaming

   (c) E-commerce   (d) Search engine

B. Fill in the blanks

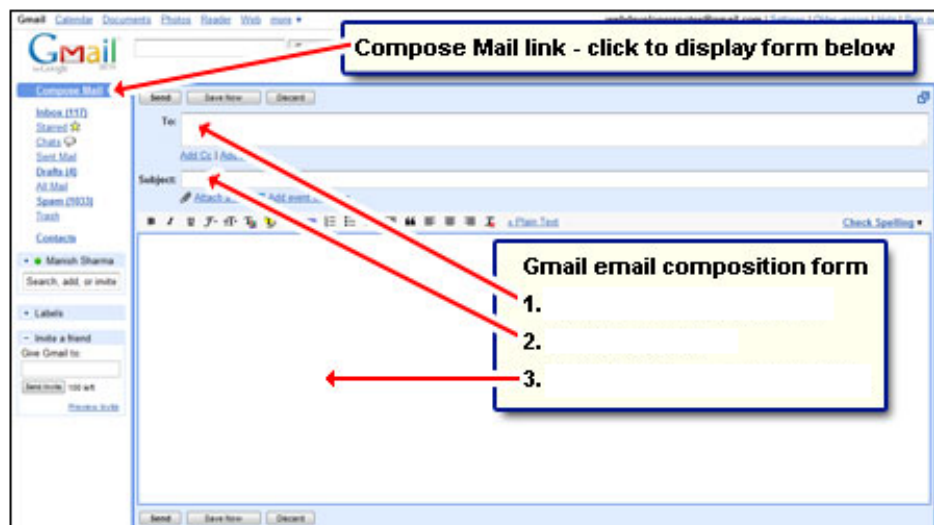| modem	electronic	APRANET

1. Full form of e-mail is _____ mail.

2. A _____ is required to connect telephone line to computer for using internet.

3. _____ was the name of first network of computers.

C. Write T for True and F for False

1. You must have an e-mail ID for sending and receiving emails. ⬭

2. Airtel is an example of search engine. ⬭

3. BSNL is an example of internet service provider. ⬭

D. This picture shows compose box of e-mail. Write correct labels for 1, 2 and 3 shown in this picture.

8. MORE ON INTERNET

Answer Keys

Worksheet 8.1

A.   (1) USA, (2) Google, (3) E-commerce

B.   (1) electronic, (2) modem, (3) APRANET

C.   (1) T, (2) F, (3) T

D.   (1) recipient's e-mail address, (2) Subject of e-mail, (3) Main content of e-mail

8. MORE ON INTERNET

WORKSHEET 8.2

Name: _____   Date: _____

A. Multiple Choice Questions

1. Which of the following is an example of social media?

   (a) Facebook   (b) WhatsApp

   (c) Linkedin   (d) All of the above

2. Which of the following will you use for using e-mail?

   (a) Apple   (b) Adobe

   (c) Gmail   (d) Microsoft

3. What is another name for online shopping in business terms?

   (a) E-learning   (b) E-mail

   (c) E-commerce   (d) E-banking

B. Fill in the blanks

> Modem   Defence   browser

1. The US Department of _____ was given the task for creating the first network of computers.

2. A web _____ is required to connect with internet.

3. _____ is a link between the computer and the Internet.

C. Write T for True and F for False

1. Photos cannot be sent through e-mail. ⬭

2. WhatsApp is used for sending and receiving messages. ⬭

3. The first e-mail was sent by Ray Tomlinson in 1971. ⬭

D. Answer these questions.

1. Which types of services are offered through internet?

2. What are the minimum requirements for getting connected to internet?

3. What do you understand by attaching files to e-mail?

4. What is the difference between Cc and Bcc in e-mail?

5. What is the difference between sending and forwarding an e-mail?

Grade: _____   Teacher's signature: _____

8. MORE ON INTERNET

Answer Keys

Worksheet 8.2

A. (1) All of the above, (2) Gmail, (3) E-commerce
B. (1) Defence, (2) browser, (3) Modem
C. (1) F, (2) T, (3) T
D. 1. The Internet offers many useful services that make our life easier. Some uses of the Internet are searching, communication, online shopping, entertainment, e-greetings and social networking.
    2. A computer, modem, data transfer media, ISP, Internet access software and a web browser are required for getting connected to the Internet.
    3. Sometimes, we may need to send files such as pictures, sound or other documents along with the text message through e-mails. This can be accomplished by attaching the files to our text message. The file we attach to the message is known as an attachment.
    4. Cc stands for carbon copy, while Bcc stands for blind carbon copy. Addresses of recipients in Cc can be viewed by all recipients but addresses recipients in Bcc cannot be seen by other recipients.
    5. When you send a fresh e-mail to someone, it is called sending the e-mail. When you send a received e-mail to somebody else, it is called forwarding the e-mail.

9. EVOLUTION OF AI

WORKSHEET 9.1

Name: _____   Date: _____

A. Multiple Choice Questions

1. Work on AI started in which decade?

   (a) 1950s   (b) 1960s

   (c) 1970s   (d) 1980s

2. The humanoid robot WABOT-I was built in which country?

   (a) USA   (b) USSR

   (c) Japan   (d) UK

3. The humanoid robot C-3PO was used in which movie?

   (a) Around the world in 80 days   (b) Robomania

   (c) Spiderman   (d) Star Wars

B. Fill in the blanks

Honda	SONY	Mars

1. AIBO was built by a Japanese company named _____ .

2. ASIMO was built by a Japanese company named _____ .

3. Spirit and Opportunity were made for exploration on the planet _____ .

C. Write T for True and F for False

1. Sophia is a humanoid robot.

2. Bixby is a robotic pet cat.

3. Google Home is the home page of Google.

D. Match the Columns.

Column A	Column B
(1) AIBO	(a) Apple
(2) ASIMO	(b) SAMSUNG
(3) Bixby	(c) Google
(4) Cortana	(d) SONY
(5) Siri	(e) Microsoft
(6) Driverless car	(f) HONDA

Grade: _____

Teacher's signature: _____

9. EVOLUTION OF AI

Answer Keys

Worksheet 9.1

A. (1) 1950s, (2) Japan, (3) Star Wars
B. (1) SONY, (2) Honda, (3) Mars
C. (1) T, (2) F, (3) F
D. (1) d, (2) f, (3) b, (4) e, (5) a, (6) c

9. EVOLUTION OF AI

WORKSHEET 9.2

Name: _____   Date: _____

A. Multiple Choice Questions

1. Deep Blue played which of the following sports?

   (a) Ludo   (b) Chess

   (c) Chinese checkers   (d) Monopoly

2. What is AIBO?

   (a) Robotic pet dog   (b) Humanoid robot

   (c) Robotic cat   (d) Drone

3. What is the long-term goal of Artificial Intelligence (AI) technology?

   (a) To create more social media platforms

   (b) To replace computers with robots

   (c) To develop machines that can surpass human thinking abilities

   (d) To stop the use of machines in everyday life

B. Fill in the blanks

| Microsoft | Apple | Amazon |

1. Siri was built by _____ .

2. Alexa was built by _____ .

3. Cortana was built by _____ .

C. Write T for True and F for False

1. Siri is a voice-based assistant.

2. Turing test was designed to check if a machine can think like humans.

3. A chatbot is a computer program that talks to people like a human on the Internet.

D. Answer these questions.

1. What do you understand by Artificial Intelligence?

2. What do you understand by Turing test?

3. What is AIBO?

4. What is ASIMO?

5. What is the long term goal of AI?

Grade: _____

Teacher's signature: _____

9. EVOLUTION OF AI

Answer Keys

Worksheet 9.2

A.   (1) Chess

    (2) Robotic pet dog

    (3) To develop machines that can surpass human thinking abilities

B.   (1) Apple, (2) Amazon, (3) Microsoft

C.   (1) T, (2) T, (3) T

D.   1. Artificial Intelligence (AI) is a branch of computer science that deals that deals with the simulation of intelligent behaviours in machines.

    2. In 1950, Alan Turing, an English mathematician published a paper Computing Machinery and Intelligence in which he proposed a test, called Turing test, to check the machine's ability to exhibit intelligent behaviour equivalent to human intelligence.

    3. AIBO stands for Artificial Intelligent RoBot. It is a robotic pet dog developed by SONY. It can understand and respond to 100+ commands. It can also communicate with its human owner.

    4. ASIMO stands fo Advanced Step in Innovative Mobility. It was made by HONDA in 2000. This robot can walk, recognise faces and use its arm like human beings.

    5. The long-term goal of AI technology is to develop intelligent machines that could surpass human cognitive abilities in all tasks. This would reduce workload on humans and can help in breaking new barriers in innovation.