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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 .... equlas1024 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. M A R S   ☐ ☐ ☐ ☐

3. V O T L A I L E ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

4. N B B I E L   ☐ ☐ ☐ ☐ ☐ ☐

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Chapter-2

CLASS 5

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, Cell Range, Formula

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

2. Cells arranged vertically across the screen are called ....

3. .... is a collection of cells which are not adjacent to one another.

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

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WORKSHEET

Chapter-3

CLASS 5

MORE ON POWERPOINT 2016

A. Tick (✓) the correct option.

1. Which of these is a library of ready-made pictures and graphics?

    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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Chapter-4

CLASS 5

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. URLs are the key to navigating the ....

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 open Gmail in Web browser.

Step 1 ....

Step 2 ....

Step 3 ....

C. Define the following:

1. Website - ....

    ....

2. Web page - ....

    ....

3. Acronym - ....

    ....

4. Email - ....

    ....

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WORKSHEET

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DATA PROCESSING

A. Write about the following malwares:

1. ILOVEYOU Virus

  ....

2. Zeus

  ....

3. Pegasus

  ....

4. Wabbit Virus

  ....

B. Match the following:

1.   a. Norton

2.   b. McAfee

3.   c. AVG

C. Answer the following:

1. Write any two symptoms of an infected computer.

  ....

  ....

2. Write a short note on Antivirus. Name few of them.

  ....

  ....

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Chapter-6

CLASS 5

CREATING SHAPES IN SCRATCH

A. Tick (✓) the correct option.

1. Which block is used to hide the Sprite from the stage?

    a. show ☐   b. escape ☐   c. hide ☐

2. Which of these blocks are used to draw the Sprite's footprints?

    a. Looks ☐   b. Pen ☐   c. Control ☐

3. .... is used so that the Sprite will not draw as it moves.

    a. Pen Down ☐   b. Pen Up ☐   c. Stamp ☐

4. What is the color of Pen Block?

    a. Yellow ☐   b. Blue ☐   c. Green ☐

B. Fill in the blanks using the correct words.

1. The .... block menu has instructions for setting the colour, size and visibility of the Sprite.

2. .... is a Control block which runs the script continuously until the Stop button is pressed.

3. .... operators are used to compare relation between two values or variables.

4. When we save a word in a variable, it is called .... variable.

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

1. We cannot create variables in Scratch. ....

2. If...then...Else is a Control block which checks the given condition. ....

3. All the blocks in Scratch are of same colour. ....

4. Hide command makes Sprite disappear from the stage. ....

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Chapter-7

CLASS 5

ADVANCED BLOCKS & GAME CREATION

A. Tick (✓) the correct option.

1. Which block is used to hide the Sprite from the stage?
   a. show ☐   b. escape ☐   c. hide ☐

2. Which block is used to draw the Sprite's footprints?
   a. Looks ☐   b. Pen ☐   c. Control ☐

3. Which of these is used so that the Sprite will not draw as it moves?
   a. Pen Down ☐   b. Pen Up ☐   c. Stamp ☐

4. Which condition block return the values "true" or "false" or the number "0" or "1"?
   a. C Blocks ☐   b. Reporter Blocks ☐   c. Boolean Blocks ☐

B. Fill in the blanks using the hints given below:
Hints: relational, CAP, string, forever

1. The .... block menu has instructions for setting the colour, size and visibility of the Sprite.

2. .... block is used to end the scipts.

3. .... operators are used to compare relation between two values or variables.

4. When we save a word in a variable it is called .... variable.

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

1. We cannot create games in Scratch. ....

2. In scratch, a program is called a code. ....

3. Hat blocks always come at the top of the script. ....

4. Cap blocks are also known as Wrap blocks. ....

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AI IN POPULAR APPS

A. Tick (✓) the correct option.

1. Which of the following companies developed Cortana?

    a. Apple ☐   b. Google ☐

    c. Microsoft ☐   d. Samsung ☐

2. Which of the following was first used in Amazon Echo and Amazon Dot smart speakers?

    a. Siri ☐   b. Alexa ☐

    c. Google assistant ☐   d. Smart home ☐

3. Which of the following is an online mapping platform?

    a. Google assistant ☐   b. Google map ☐

    c. Google home ☐   d. YouTube ☐

4. .... has been using AI to improve its orders and delivery.

    a. Practo ☐   b. Google Maps ☐

    c. Siri ☐   d. Swiggy ☐

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

Hints: Cortana, Deep learning, Google Assistant, Netflix, Swiggy

1. .... is primarily available on mobile and smart home devices such as smartphones, smartspeakers, etc.

2. .... is a home to numerous movies and web series at a nominal charge.

3. .... is operating in 100 different cities in the country.

4. .... is still accessible on windows platform not as an application but as a feature.

5. .... techniques will provide machine to perform high-level thoughts, image recognition, etc.

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TRENDING ROBOTS

A. Tick (✓) the correct option.

1. Which of the following is a block-based coding platform?

a. CodeMonkey Jr. ☐   b. Emoji Scavenger Hunt ☐

c. Shadow art ☐   d. AutoDraw ☐

2. AutoDraw is developed by ....

a. Apple ☐   b. Samsung ☐

c. Google ☐   d. Microsoft ☐

3. Which of the following is a kind-hearted garbage collector robot?

a. Wall-E ☐   b. Baymax ☐

c. Microbots ☐   d. All of these ☐

4. Which of the following is a data game?

a. Emoji Scavenger Hunt ☐   b. Shadow art ☐

c. Stone-Paper-Scissor ☐   d. AutoDraw ☐

B. Fill in the blanks with the hints.

Hints: 12, Emoji Scavenger Hunt, The Iron Giant, Artificial Intelligence

1. The .... game uses Computer Vision tool to identify and capture image from the Camera App.

2. The game Shadow art has .... animals.

3. .... movie revolves around a "Kid Robot".

4. .... is a giant "killer" robot from outer space has landed on Earth.

C. Write T for true and F for false.

1. Shadow Art allows kids to learn how to make shadow puppets just by using their hands. ....

2. AutoDraw is a powerful tool used for learning coding. ....

3. The I robot is a killer robot. ....

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Chapter-10

CLASS 5

ANGLES AND VALUE CONVERSION

A. Tick (✓) the correct option.

1. Which block in AI Connect is used to move Turtle?
   a. Input Block ☐   b. Output Block ☐
   c. Movement Block ☐   d. Conversion Block ☐

2. Angles are measured in:
   a. Metres ☐   b. Degrees ☐
   c. Kilograms ☐   d. Seconds ☐

3. Which block is used to accept user values?
   a. Input Block ☐   b. Output Block ☐
   c. Conversion Block ☐   d. Shape Block ☐

4. Turning Turtle left by 90 degrees makes it face:
   a. Same direction ☐   b. Right side ☐
   c. Opposite direction ☐   d. Left side ☐

5. Which shape needs three sides to draw?
   a. Square ☐   b. Triangle ☐
   c. Circle ☐   d. Half Moon ☐

B. Answer the following questions.

1. How many angles does a square have?

   ....

2. What is an angle?

   ....

3. What is the measure of a right angle?

   ....

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MATH OPERATORS AND LOOPS

A. Tick (✓) the correct option.

1. Which operator would you use to check if 18 is even?

   a. +   b. -

   c. %   d. /

2. What is the result of $(20 \div 5) + (6 \times 2)$?

   a. 14   b. 18

   c. 16   d. 17

3. If a variable starts with value 5 and you apply i++ twice, what is the final value?

   a. 5   b. 6

   c. 7   d. 8

4. If a loop runs 10 times and prints $i \times 7$, what is the last output?

   a. 63   b. 70

   c. 77   d. 84

5. Which program helps to evaluate simple arithmetic problems?

   a. Loop Program   b. Conversion Program

   c. Logic Program   d. Math Operator Program

B. Answer the following questions.

1. How does the modulus operator help in real-life programming situations?

   ....

2. Why are loops considered powerful tools in AI Connect?

   ....

3. Compare the Repeat Loop and Forever Loop with examples.

   ....

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Chapter-12

CLASS 5

Name: _____

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AI IN REAL WORLD

A. **Tick (✓) the correct option.**

1. Which of these is NOT a feature of robots?

    a. Accuracy ☐   b. Speed ☐

    c. Emotions ☐   d. Consistency ☐

2. Robots are controlled through:

    a. Music ☐   b. Instructions ☐

    c. Food ☐   d. Dreams ☐

3. Which AI application detects male and female?

    a. Face recognition ☐   b. Paint tool ☐

    c. Calculator ☐   d. Alarm clock ☐

4. Bird detection is useful in:

    a. Banking ☐   b. Wildlife monitoring ☐

    c. Shopping ☐   d. Gaming ☐

5. Which feature makes robots reliable?

    a. Welding robot ☐   b. Vacuum cleaner robot ☐

    c. Surgery robot ☐   d. Car assembly robot ☐

B. **Answer the following questions.**

1. What are the advantages and disadvantages of robots??

    ....

2. Why is bird detection important for research?

    ....

3. Why are robots considered accurate machines?

    ....

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