

Name: _____

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Class: _____ Section: _____ Date: _____

COMPUTER NETWORKING

A. Name the following devices:



1.



2.



3.

B. Define the following:

1. Client -
2. Server -
3. Router -

C. Write 'T' for true and 'F' for false. Correct and rewrite the false statements.

1. In Star topology, all the nodes are connected to a single common path.
.....
2. CAN stands for Computer Area Network.
.....
3. Networking refers to the geometric arrangement of computers or nodes in a network.
.....
4. TCP/IP stands for Transmission Control Protocol/Internet Process.
.....
5. In Star topology, all the nodes are connected in a circular path.
.....

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INTRODUCTION TO ADOBE PHOTOSHOP 2024

A. Write the full form of the following:

1. RGB -
2. CMYK -

B. Write 'T' for true and 'F' for false. Correct the false statements.

1. Rectangle Tool is used to draw a triangle.
.....
2. Rectangle Marquee Tool is used to select an oval or circular portion of an image.
.....
3. Pencil Tool is used to remove unwanted portion from an image.
.....
4. Line Tool is used to draw closed shapes with 3, 5, 6 or more sides.
.....
5. A Photoshop file is saved with .pds extension.
.....

C. Write names of any four hidden tools under the Rectangle Tool.

1.
2.
3.
4.

D. Fill in the blanks.

1. is the place where you create and edit an image.
2. Gradient is used when circles are to be shown in gradient effect.
3. is used to draw a circle or oval shape.

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MORE ON PHOTOSHOP 2024

A. Complete the sentences.

1. Sharpen Tool is used to
2. Blur Tool is used to
3. Clone Stamp Tool is used to
4. Shortcut key to select the Spot Healing Brush Tool is
5. We can delete a layer by clicking on the Delete layer button at the bottom of the

B. Write a short note on the following.

1. Spot Healing Brush Tool -
.....
.....
2. Retouching Tools -
.....

C. Write the steps to use the Smudge Tool.

- Step 1
- Step 2
- Step 3

D. Write the steps to use the Magic Wand Tool.

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

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COMPUTER SAFETY AND SECURITY

A. Explain the following:

1. Optical mouse - _____

2. Face Recognition - _____

3. Decryption - _____

4. Spyware - _____

B. Match the following.

- | | |
|----------------------|---------------------------------|
| 1. Rootkit | a. Antivirus |
| 2. Norton | b. Malware |
| 3. Firewall | c. Program in the Control Panel |
| 4. Disk Defragmenter | d. Network security system |

C. Write the names of four online backup services.

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

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Chapter-5

CLASS 8

GOOGLE APPS

A. Answer the following questions.

1. What are Google slides? Write any 2 features of Google slides.

.....

.....

.....

2. Write the steps to create a Youtube account.

.....

.....

.....

B. Number the steps to share a Google sheet.

- ☐ Enter the email address(es) of the people with whom you want to share the spreadsheet in the box. Or you can copy the link if you do not know the email address.
- ☐ Click on the Send button to share the file.
- ☐ Assign permission levels by clicking on the Settings button.
- ☐ Click on the Share button from the top-right corner of the spreadsheet. The Share with people and groups pop-up box appears.
- ☐ Type a message for the receiver in the Message box.
- ☐ Click on the status of the receiver. You can choose from Editor, Viewer or Commenter.

C. Fill in the blanks.

1. Share icon is used to generate a link of the document to and access.
2. Hybrid and Satellite are the two kinds of views.
3. When working, changes made to the Google docs are saved

Grade:



Teacher's Signature: _____

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LATEST TECHNOLOGICAL DEVELOPMENTS

A. Write a short note on the following:

1. Artificial Intelligence -
.....
.....
2. Virtual Reality -
.....
.....
3. 3D Printing -
.....
.....

B. Fill in the blanks.

1. IBM's became the first computer program to defeat a world champion in a chess match.
2. is an I-App.
3. Machine learning is a core subject area of
4. are designed and manufactured to perform tasks that are difficult to perform by humans.

C. Answer the following questions.

1. Write the name of two fields in which the Artificial Intelligence is being successfully implemented.
.....
2. Name two 3D Printing methods.
.....

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IMAGES, LINKS AND FRAMES IN HTML5

A. Complete the sentences.

1. A link that connects to another place on the same web page is called an
2. HTML allows you to insert images inside the web pages through the
3. Height attribute of tag specifies the
4. Action attribute of <FORM> tag is used to specify
5. JPEG stands for

B. Write a short note on the following:

1. <FORM> -
2. AnchorTag -
3. Hyperlink -
4. <IFRAME> -

C. Write 'T' for true and 'F' for false. Correct and rewrite the false statements.

1. The ALT attribute specifies the source or URL of the image that has to be inserted in the web page.
.....
2. Images cannot be used as hyperlink.
.....
3. We cannot create internal linking in HTML web pages.
.....
4. The <TEXTAREA> tag is used to create a form that can accept long text values.
.....
5. The <video> tag allows us to add checkbox to a website
.....

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ALGORITHMIC INTELLIGENCE

A. Read the clues and answers the following.

1. It is set of steps in a sequential manner to solve a problem or to complete a task.
2. It is used to show the start and stop points of the flowchart.
3. It indicates a question or branch in the process flow. It is used when there are 2 options (Yes/No).
4. It shows the direction in which the process flows.

B. Write 'T' for true and 'F' for false. Correct and rewrite the false statements.

1. Algorithm facilitates a programmer to analyse the problem in detail.
.....
2. Decision symbol is used to start and stop the flowchart.
.....
3. The flowchart should be dirty, unclear and hard to follow.
.....
4. Once a flowchart is drawn, it becomes hard to write the program in any high-level language.
.....

C. Write the names of three symbols used in flowcharts.

1.
2.
3.

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LOOPS IN PYTHON

A. Define the following.

1. break statement - _____

2. while statement - _____

3. for loop - _____

B. Fill in the blanks.

1. The _____ statement is used to repeat a set of instructions until a condition evaluates to true.
2. The print() function to _____ output on the screen.
3. The _____ statement forces execution of next iteration.
4. The _____ function is an in-built function that generates a list which is a sequence type.
5. The _____ function is used to repeat an instruction or a set of instructions a fixed number of times.

C. Write a python program to input strings from the users and concatenate them.

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FUNCTIONS AND STRING IN PYTHON

A. Define the following.

1. User-defined functions -
2. String -
3. Escape sequence -

B. Fill in the blanks.

1. helps us to break our program into smaller pieces or modules.
2. The capitalize() function returns a string with the first character in
3. The operator is used to repeat the string for a given number of times.
4. We can access the characters of a string one at a time using
5. The function converts all lowercase letters to uppercase.

C. Write a program to print the sum of first 10 natural numbers using functions.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

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DOMAINS OF AI

A. Answer the following in one or two words.

1. Which domain of AI checks the sender of the email and categorises the mails as spam or junk?
2. Name any 2 domains of AI.
3. AI's ability to work so well with data analytics is because of which domain of AI?
4. What is used in production lines to detect small cracks or defects in parts that are normally undetectable by the human eye?

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

1. Everyday human intelligence processes a lot of phenomena that affects the quality of decisions taken by humans.
2. Humans spend a large amount of time and effort to analyse and filter data, but AI systems can manage and organise huge volumes of data in much less time.
3. Humans have the tendency to get bored while performing repetitive tasks, which can improve their productivity.
4. From recognizing to processing the live action of a football game, NLP challenges and surpasses human visual abilities in many areas.

C. Answer the following questions:

1. Mention any three advantages of AI in detail.
.....
2. Explain the applications of Big Data.
.....
3. How is Computer Vision helpful to us?
.....
4. What are the real-life applications of NLP?
.....