

Name: _____

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COMPUTER NETWORKING

Chapter-1

CLASS 8

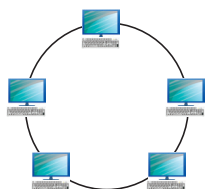
A. Read the clues and answer the following:

1. The process of (connecting / separating) computers and peripheral devices with each other, so that they can exchange data is called computer networking.
2. A (server / client) is also called host computer.
3. (LAN / WAN) is a digital communication system that interconnects a large number of computers and other peripheral devices within a radius of less than 1 km.
4. In (Ring / Star) topology, all the nodes are connected in a circular path.
5. (Protocol / Bluetooth) is a set of rules that governs the communication between the computers on a network.

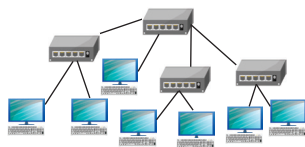
B. Complete the sentences.

1. Modem stands for MODULATOR
2. Networking cable is also known as
3. The computer which stores and provides the access to a database is called a
4. The computer which performs a specific task is called the
5. The total diameter of LAN is not more than

C. Name the type of topology used in below images.



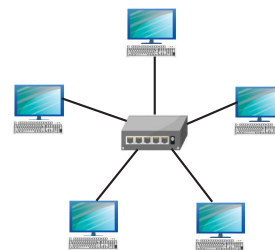
1.



2.



3.



4.

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COMPUTER NETWORKING

Chapter-1

CLASS 8

A. Define the following:

1. Modem -
2. Hub -
3. Computer Network -

B. Tick (✓) the correct option.

1. Which networking device can convert the digital data into analog signal and vice versa?

a. Hub	☐	b. Modem	☐
c. Router	☐	d. LAN Card	☐
2. Which of these is not a protocol?

a. HTTP	☐	b. HTTPS	☐
c. FTP	☐	d. HTML	☐
3. Which of these is the Internet standard protocol that allows e-mail to retrieve e-mail messages from an e-mail server?

a. HTTP	☐	b. FTP	☐
c. POP3	☐	d. None of these	☐
4. Which of the following is a wireless communication technology?

a. Bluetooth	☐	b. Wi-Fi	☐
c. Both a and b	☐	d. None of these	☐

C. Write the full form of the following:

1. HTTP -
2. MAN -
3. NIC -

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PHOTO EDITOR AND VIDEO EDITOR

Chapter-2

CLASS 8

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

Hints: Flipping, Motion, Light, Filter intensity

1. _____ means to get the mirror image of the photo either horizontally or vertically.
2. You can also change the intensity of the applied filter by moving the _____ slider.
3. To add motion effects in your video, click on the _____ button.
4. Adjust the brightness of the photo by moving the _____ slide.

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

1. Photos app also allows you to apply different types of effects on your photos and videos.
2. You can remove the red eyes from a photo with the help of Red eye button.
3. The Photos app does not allow you to edit a video.
4. Rotating a video means to cut the portion of a video.

C. Answer the following questions:

1. Write the steps to start photos app.
.....
.....
2. What is cropping?
.....
.....
3. What do you mean by filters?
.....
.....

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PHOTO EDITOR AND VIDEO EDITOR

Chapter-2

CLASS 8

A. Tick (✓) the correct option.

- You need to import photos from your computer to app to edit them.

a. Photos	☐	b. Videos	☐
c. Pictures	☐	d. None of these	☐
- are pre-designed special effects which you can directly apply on your video.

a. 2D effects	☐	b. 3D effects	☐
c. Both a and b	☐	d. None of these	☐
- To increase or decrease the speed of the video, click on the button.

a. Text	☐	b. Filters	☐
c. Speed	☐	d. Flip	☐

B. Answer the following questions:

- What do you mean by filters?

.....

.....

- What is the use of adjustment feature?

.....

.....

C. Fill in the blanks to complete the steps to trim a video.

Step 1 Open a video and add it to the In this case, we have opened a girl with coffee video.

Step 2 Click on the button.

Step 3 Two handles appear at both ends of a video time line which allow you to trim a video from starting as well as from end. In this case, we have moved the left handle towards right-hand direction to trim the video from starting.

Step 4 Click on the button. The video will be trimmed.

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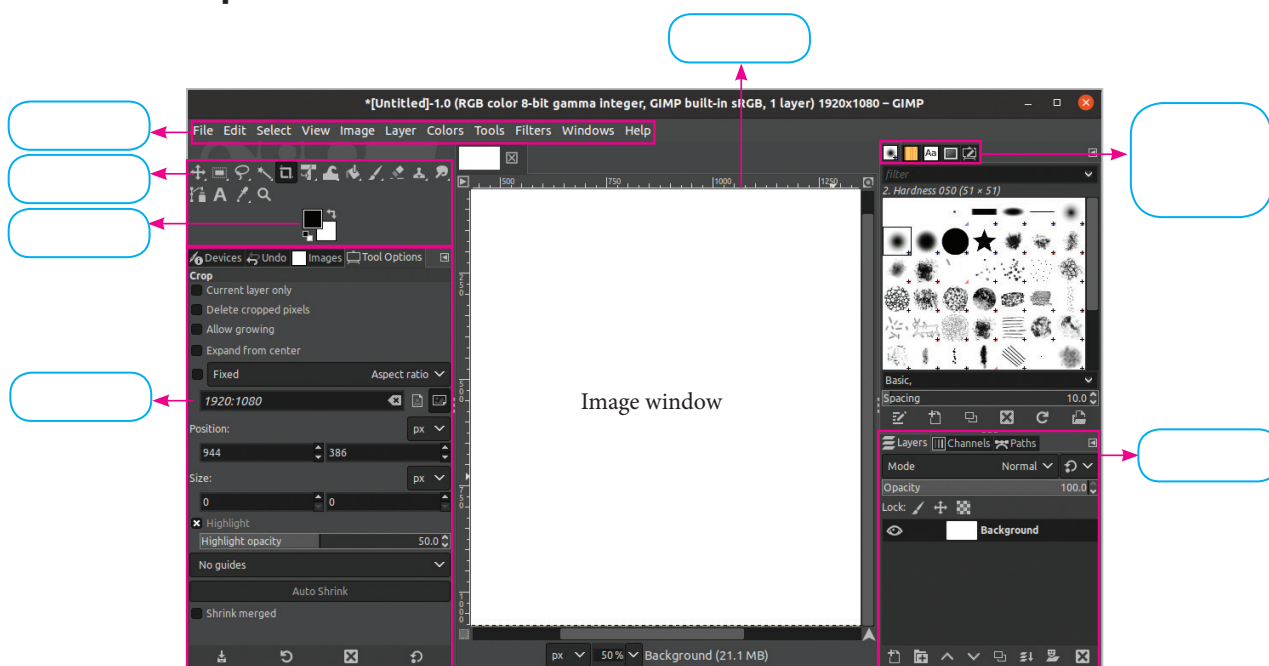
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INTRODUCTION TO GIMP

Chapter-3

CLASS 8

A. Label the components of GIMP Interface.



B. Write T for True and F for false.

1. Conical is used when circles are to be shown in gradient effect.
2. Zoom tool is used to magnify a desired part of an image.
3. Linear is used when straight lines are to be shown in gradient effect.
4. Ellipse Select tool is used to select an object by drawing a freehand border around it.
5. Crop tool is used to remove unwanted portion from an image.
6. GIMP is an open-source graphics editor software used for image retouching and editing.

C. Answer the following questions:

1. Write any one feature of GIMP.

.....

2. What is the use of Text tool?

.....

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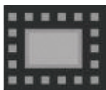
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INTRODUCTION TO GIMP

Chapter-3

CLASS 8

A. Identify the given tools & write their uses.

1. 
2. 
3. 
4. 
5. 
6. 

B. Answer in one word.

1. It shows options for the currently selected tool.
2. It is used to set order of visibility of the objects.
3. This tab is used to fill the selected areas of an image.
4. It contains different menus such as File, Edit, Select, Image, etc. for doing various tasks.
5. This tab is used for all tools that allow you to paint on the image, like erasing and smudging.
6. This tool is used to type text on the image or blank workspace.
7. This tool is used to show a blending effect between two or more colours in the workspace.

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USING TOOLS IN GIMP

Chapter-4

CLASS 8

A. Tick (✓) the correct option.

1. Which tool is used to make blur an image?

a. Blur Tool

☐

b. Healing Tool

☐

c. Brush Tool

☐

d. Rectangle Tool

☐

2. Which tool is used to show the image as the wet paint?

a. Sharp Tool

☐

b. Smudge Tool

☐

c. Brush Tool

☐

d. Blur Tool

☐

3. Shortcut key to set a new heal source point is.....

a. Ctrl + Shift

☐

b. Ctrl + Alt

☐

c. Alt + Click

☐

d. Ctrl + Click

☐

4. Which tool is used to duplicate part of an image?

a. Blur Tool

☐

b. Healing Tool

☐

c. Clone Tool

☐

d. Crop Tool

☐

B. Read the clues and answer the following:

1. It is a tool used to sharpen the image.

.....

2. It is used to set order of visibility of the objects.

.....

3. It contains tools to create, edit and enhance an image.

.....

4. It is a shortcut key to select Healing tool.

.....



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USING TOOLS IN GIMP

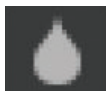
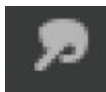
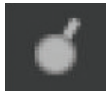
Chapter-4

CLASS 8

A. Circle the correct option.

1. (Retouching / Correction) tools are used to remove or add some features to the image.
2. (Clone / Healing Tool) is used to duplicate a part of an image.
3. (Pattern / Blur Tool) is used to lighten the existing colours of the image .
4. (Smudge / Clone Tool) is used to show the image as the wet paint on the image has been spread by a finger.
5. (Healing / Sharpen) Tool is used to repair dark spots, scratches, etc. from the image.

B. Write the use of the following tools in GIMP.

1. 
2. 
3. 
4. 
5. 

C. Number the steps to duplicate the part of an image in the correct order.

- ☐ Press and hold the Ctrl key and click on the image to be cloned.
- ☐ Release the mouse button when clone completed.
- ☐ Open the image and then click on Clone Tool from the Toolbox.
- ☐ Click and drag the mouse at the place where the clone is to be created.
- ☐ Select the brush size and hardness from Tool Options.

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ADVANCED FEATURES OF GIMP

Chapter-5

CLASS 8

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

Hints: Invisible, Layers, Flatten Image, Toggle, Filters, Create a new layer

1. You can create a new layer by using button.
2. are transparent sheets.
3. A button is a user interface control which is used to display ON or OFF states.
4. Hiding a layer means to make the layer temporarily
5. option is used to combine all the layers of an image.
6. tools are used to modify an image in a variety of ways.

B. Answer the following questions:

1. What do you mean by flattening layers?

.....

2. How you rename a layer?

.....

3. What is an Eye icon?

.....

4. Write the use of Lock Pixels.

.....

5. What are filters?

.....

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INTRODUCTION TO TUPI 2D

Chapter-6

CLASS 8

A. Match the following:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.



- a. Brushes tool
- b. Polyline tool
- c. Fill tool
- d. Pencil tool
- e. Ink tool
- f. Node selection
- g. Object selection

B. Complete the steps to draw a closed rectangle, by using Brushes tool:

Step 1 Click on tool and choose a type of brush:

Step 2 Click on button.

Step 3 Click on the to change the of the rectangle.

Step 4 Click on option to change the that is to be filled inside the

Step 5 Click on the option.

Step 6 Click on the option.

Step 7 Move to the and drag to draw the



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INTRODUCTION TO TUPI 2D

Chapter-6

CLASS 8

A. Tick (✓) the correct option.

1. Which tool is used to draw ellipse?

a. Pencil

☐

b. Polyline

☐

c. Ink

☐

d. Brushes

☐

2. Which tool works like a Paint Bucket tool?

a. Pencil

☐

b. Fill

☐

c. Ink

☐

d. Brushes

☐

3. Which of these is a collection of different colors?

a. Color Palette

☐

b. Exposure Sheet

☐

c. Left side bar

☐

d. Toolbox

☐

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

1. Cap option allows us to draw free hand drawing.

.....

2. Pencil tool helps us to draw those shapes which we can not draw with shape tools.

.....

3. Brush tool is used to draw a closed rectangle.

.....

4. Ink tool is a free hand drawing tool.

.....

C. Answer the following questions:

1. What is the use of Node Selection tool?

.....

2. Which tool helps the user to modify, flip or group objects as per their requirements?

.....

3. What is Toolbox?

.....



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ANIMATIONS IN TUPU 2D

Chapter-7

CLASS 8

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

Hints: Scale, Exposure, Frame, Layer, Motion, Opacity

1. _____ are used to work on the individual part of the image without affecting the other parts.
2. _____ tween helps to move an object.
3. _____ tween helps to control the opacity of an object at two points.
4. _____ tween helps to give zooming effect to an object.
5. A _____ is a single animation that is applied on an object or picture on a timeline.
6. _____ Sheet located on the right side of the Tupu 2D interface.

B. Circle the incorrect words.

1. If an object is part of a tween, then that object (cannot / can be) edited as a vector path.
2. Tupu 2D help us to create an animation/transition.
3. Layers are like stack of (blank / transparent) sheets.
4. A frame holds the content of the project at a particular (moment / second).
5. Rotation tween automatically (moves / rotates) the object as per the specification given.

C. Answer the following questions:

1. What is the significance of frame?

.....

2. What is the shortcut key to start Coloring Tween?

.....

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ANIMATIONS IN TUPI 2D

Chapter-7

CLASS 8

A. Tick (✓) the correct option.

1. _____ changes the color of the object at two points.

- | | | | |
|-------------------|--------------------------|-------------------|--------------------------|
| a. Shear tween | ☐ | b. Scale Tween | ☐ |
| c. Coloring tween | ☐ | d. Rotation Tween | ☐ |

2. Which tween helps to move an object.

- | | | | |
|-----------|--------------------------|-------------|--------------------------|
| a. Motion | ☐ | b. Coloring | ☐ |
| c. Scale | ☐ | d. Shear | ☐ |

3. Which tween helps to control the opacity of an object at two points.

- | | | | |
|-------------|--------------------------|-------------|--------------------------|
| a. Rotation | ☐ | b. Opacity | ☐ |
| c. Scale | ☐ | d. Rotation | ☐ |

4. Which tween helps to give zooming effect to an object?

- | | | | |
|-------------|--------------------------|------------|--------------------------|
| a. Coloring | ☐ | b. Opacity | ☐ |
| c. Scale | ☐ | d. Shear | ☐ |

B. Write the steps to give zooming effect to an object:

Step 1: _____

Step 2: _____

Step 3: _____

Step 4: _____

Step 5: _____

Step 6: _____

Step 7: _____

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APP DEVELOPMENT

Chapter-8

CLASS 8

A. Identify the icons of apps and write down their categories.

1. 

2. 

3. 

4. 

5. 

6. 

B. Define the following:

1. Android -

.....

2. iOS -

.....

3. Utility Apps -

.....

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APP DEVELOPMENT

Chapter-8

CLASS 8

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

Hints: Hand-held, Mobile app, Web, Productivity, Native, Educational, Mobile

- Hybrid apps created by combining the features of and apps.
- Android application is developed for devices such as smartphones and tablets.
- Android is an operating system for devices developed by Google.
- To use a , you need to install it first.
- apps are also known as business apps.
- Grammar EN is the most commonly used app.

B. Give two examples of each:

- Gaming app:
- Communication app:
- E-commerce app:
- App development tools:
- Desktop applications:
- Mobile application:
- Entertainment apps:

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LOOPS IN PYTHON

Chapter-9

CLASS 8

A. Tick (✓) the correct option.

1. Which of the following is a looping statement in Python?

- | | | | |
|------------------|--------------------------|--------------------|--------------------------|
| a. for statement | ☐ | b. while statement | ☐ |
| c. if statement | ☐ | d. break statement | ☐ |

2. Which of the following statements allow to repeat a task for a fixed number of times?

- | | | | |
|------------------------|--------------------------|-----------------------|--------------------------|
| a. for statement | ☐ | b. while statement | ☐ |
| c. if...else statement | ☐ | d. continue statement | ☐ |

3. Which of the following statements terminates the execution of the loop?

- | | | | |
|----------|--------------------------|-------------|--------------------------|
| a. if | ☐ | b. for | ☐ |
| c. break | ☐ | d. continue | ☐ |

B. Write the output of the following programs:

1. `i = 0`
`while i < 3:`
`print (i)`
`i += 1`
`else:`
`print (0)`

.....

2. `fruits = ["apple", "banana", "cherry"]`
`for x in fruits:`
`print(x)`

.....

3. `i = 2`
`while i < 10:`
`print(i)`
`if i == 8:`
`break`
`i += 2`

.....

4. `number = ["fifty", "hundred", "thousand"]`
`for x in number:`
`print(x)`
`if x == "hundred":`
`break`

.....

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LOOPS IN PYTHON

Chapter-9

CLASS 8

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

Hints: Infinite, break, while, continue, Non-zero, Zero

1. The statement executes a set of statements repeatedly, until the logical expression remains true.
2. Any value in the while loop indicates an always true condition whereas zero indicates condition.
3. The loop never ends.
4. The and are the jump statements in Python.

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

1. We can use do-while loop in Python.
2. The continue statement breaks the loops one by one.
3. The break is a keyword in Python which is used for bringing the program control out of the loop.
4. A single break statement will break out of any number of loops.
5. The while statement is the looping statement.

C. Answer the following questions:

1. What are jump statements?
.....
2. Write the syntax of the 'for loop'.
.....
3. Demonstrate the use of the while loop using else statement.
.....