



UNIT

23

Visual Communication

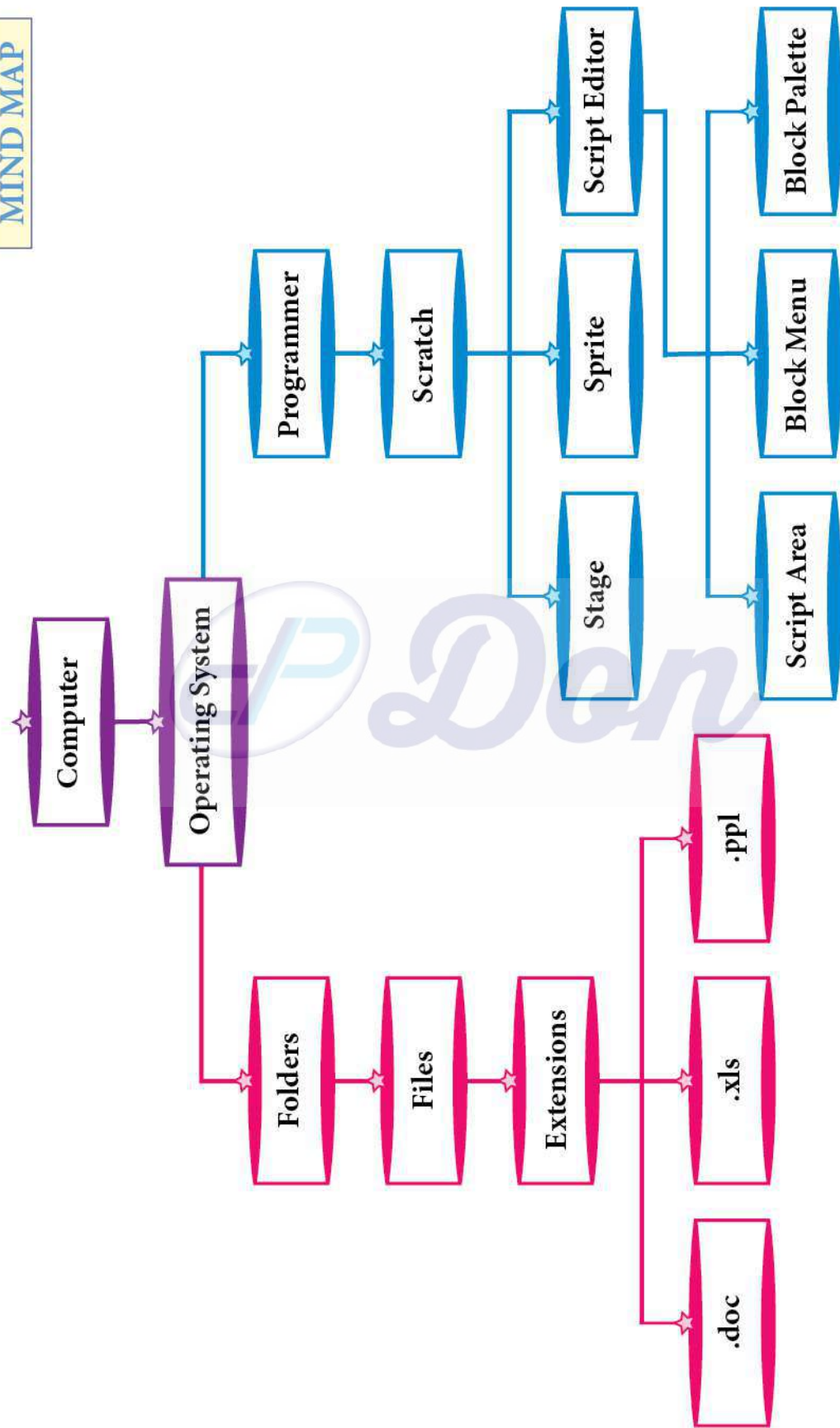
POINTS TO REMEMBER

- Computer is an electronic device.
- Computer is a combination of hardware and software.
- Different kinds of files graphic and text.
- A folder also called directory.
- A folder does not have extension like a file.
- Scratch is a computer programming language.
- Scratch is one of the easiest computer applications.
- Sound block is used to add sound in the project.
- It was developed in the MIT.
- The scratch editor has three main parts, stage, sprite, script editor.
- Stage is a working area. It is a term for the background of the project.
- Sprite is images on the scratch computer program screen.
- Script editor is used to edit the program.
- Script area assembles the script.
- To import the sound editor click the import button, only use mp3 and wav files.

Scratch history.

Scratch is developed by the LIFELONG KINDER GARTEN group of media lab of MIT, which was leaded by Mitchel Resnick released in 2003.

MIND MAP



Textbook Evaluation

I. Choose the most suitable answer from the given four alternatives and write the option code and corresponding answer:

1. Which software is used to create animation? ★ ★

- a) Paint b) PDF c) Ms Word d) Scratch

2. All files are stored in the _____

- a) folder b) box c) pai d) scanner

3. Which is used to build scripts?

- a) Script area b) Block palette c) Stage d) Sprite

4. Which is used to edit programs? ★ ★

- a) Inkscape b) Script editor c) Stage d) Sprite

5. Where will you create category of block?

- a) Block palette b) Block menu c) Script area d) Sprite

Ans:

1.	d)	Scratch	4.	b)	Script editor
2.	a)	Folder	5.	b)	Block menu
3.	a)	Script area			

II. Match the following.

- | | |
|-------------------|-------------------------|
| 1. 1) Script area | - a) Type notes |
| 2) Folder | - b) Animation software |
| 3) Scratch | - c) Edit programs |
| 4) Costume editor | - d) Store files |
| 5) Notepad | - e) Build scripts |

(e)
(d)
(b)
(c)
(a)

III. Short Answer questions:

1. What is Scratch? ★ ★

Scratch is a software used to **create animations, cartoons and games** easily. Scratch, on the other hand, is a **visual programming language**. It is developed in the Massachusetts Institute of Technology (MIT). Media Lab to make **programming easier** and more fun to learn.

2. Write a short note on editor and its types? ★ ★

The script editor where you **edit programs** or your sprites pictures. The script editor has three main parts 1. Script area 2. Block menu 3. Block palette.

3. What is Stage?

Stage is the **background** appearing when we open the **scratch window**. The background will most often be white. You can change the background colour as you like.

4. What is Sprite?

The **characters** on the **background** of a Scratch window are known as Sprite. Usually a cat appears as a sprite when the Scratch window is opened. The software provides facilities to make alternations in sprite.

Additional Questions

I. Choose the most suitable answer from the given four alternatives and write the option code and corresponding answer:

1. Stage is the _____.
 a) Block palette b) Block menu c) Script area d) Background area
2. Click the green flag at the top _____ corner.
 a) right b) left c) down d) up
3. From _____ menu choose the save option.
 a) File->Save b) Edit -> Save c) Home -> Save d) Insert-> Save
4. The right pane also contains _____ additional tabs. ★
 a) One b) Two c) Three d) Four
5. The costume editor has _____ panes.
 a) One b) Two c) Three d) Four
6. MIT means _____. ★
 a) Massachusetts Institute Technology
 b) Management Institute Technology
 c) Message Institute Technology.
 d) Massachusetts Indian Technology.

Ans:

1.	d)	Background area	4.	b)	Two
2.	a)	right	5.	c)	Three
3.	a)	File->save	6.	a)	Massachusetts Institute Technology

II. Match the following.

- | | | |
|-----------------|-----------------------|-----|
| 1) Accept date | - a) Ctrl+s | (e) |
| 2) Linux | - b) Visual animation | (d) |
| 3) Save | - c) x: 0 y: 0 | (a) |
| 4) Scratch | - d) Operating system | (b) |
| 5) Drag a go to | - e) Input | (c) |

III. Short Answer questions:

1. What is file? ★

The output we get from any application is commonly referred as file.

2. What is file or folder?

A folder is a **storage space** that contains multiple files.

3. What is block palette?

Where you choose the block to use. When the costumes tab is chosen, the costume editor is shown (outlined in red).

4. What are Scratch Environment Editor types?

The scratch editor has **three** main parts. They are Stage, Sprite, Script editor.

5. What are the various parts of costume editor? ★

The **costume editor** has three main parts. They are Script area, Block menu, Block palette,

IV. Long answer questions:

1. Explain the scratch? ★

- Scratch is a software used to **create animations cartoons** and **games** easily.
- Scratch on the other hand is a **visual programming language**.
- It was developed in the Massachusetts Institute Technology (MIT).
- Media Lab to make **programming easier** and more fun to learn.
- Scratch Environment Editor.

The Scratch editor has three main types. They are

1. **Stage**
2. **Sprite**
3. **Script editor**

STAGE:

- Stage is the **background** appearing when we open the **scratch window**.
- The background will most often be white. You can change the background colour as you like.

SPRITE:

- The **characters** on the **background** of a Scratch window are known as Sprite.
- Usually acat appears as a Sprite when the Scratch window is opened.
- The software provides facilities to make alternations in sprite.

Script editor :

- Where you **edit** your **programs** or your sprites pictures .
- A single window with at least the following three panes : the Stage (top left), the Sprite list bottom left and the Script tab (right), the right plane also contains two additional tabs. Costumes and Sounds.

The script editor has **three** main parts.

1. **Script area.**
2. **Block menu.**
3. **Block palette.**

Script area:

Where you **build** scripts.

Block menu:

Where you choose the **category of block** (programming statements) to use.

Block palette:

Where you choose the block to use. Where the costumes tab is chosen, the Costume editor is shown (Out lined in red)



Unit Test - 23**Visual communication****Time : 1 hr****Marks : 30****I. Choose the most suitable answer and write the code with the corresponding answer.** $5 \times 1 = 5$

1. Which software is used to create animation?

- a) Paint b) PDF c) Ms Word d) Scratch

2. All files are stored in the.....

- a) Folder b) Box c) Pai d) Scanner

3. Which is used to edit programs?

- a) Inscape b) Script editor c) Stage d) Sprite

4. Where you will create category of block?

- a) Block palette b) Block menu c) Script area d) Sprite

5. Stage is the.....

- a) Block palette b) Block menu c) Script area d) Background area

II. Answer the following questions in one or two lines. $5 \times 2 = 10$

1. What is Scratch?
2. Write a short note on editor and its types.
3. What is Stage?
4. What is Sprite?
5. What is file?

III. Answer the following questions in brief. $2 \times 4 = 8$

1. Expand the following i) .PDF, ii) .DLC
2. How can we save data and information in computer?

IV. Answer the following questions in detail. $1 \times 7 = 7$

1. i) Write a short notes on script editor.
ii) Which is important Hardware or Software?

