

## UNIT 7-VISUAL COMMUNICATION

Class: VII

Subject: Science

### I. Choose the Correct Answer

- Which is the example for animation?  
a) Sound communication  
b) **Visual communication**  
c) Vector communication  
d) Raster communication
- Who uses the photoshop software more?  
a) Teacher    b) Doctor    c) Painter    d) **Photographer**
- Which option is used in the Microsoft Photostory to upload the photos?  
a) Begin a Story  
b) **Import Pictures**  
c) Settings    d) View your Story
- Which technology shows the computerdrawn pictures as real picture?  
a) Inkscape    b) Photo Story    c) **Virtual Reality**    d) Adobe Illustrator
- Which technology uses pixels to create pictures?  
a) Vector    b) **Raster**    c) Both    d) None
- Which software is used to create symbols?  
a) Photoshop    b) Illustrator    c) **Vector Graphics**    d) Photostory

### II. Match the following.

- |               |   |                      |          |
|---------------|---|----------------------|----------|
| 1. Animations | - | 3D                   | <b>4</b> |
| 2. Raster     | - | Visual Communication | <b>1</b> |
| 3. Vector     | - | Pixles               | <b>2</b> |

4. Virtual Reality	-	Microsoft Photo story	5
5. Video Story	-	Illustrator	3

### III. Answer briefly.

#### 1. What is Raster Graphics?

Raster Graphics are created on the basis of PIXELS. The photos taken by camera and the photos scanned by a scanner are of the Raster type.

When we enlarge this type of photos we could see the pictures as rectangular layers or grids.

#### 2. Write a note on 2D and 3D pictures.

The two dimensional (2D) images have only the two dimensions - length and height. But three dimensional images (3D) have length, height and width.

3D images appear in front of our eyes like it happens in the real world

#### 3. Differentiate between Raster and Vector images.

<b>Raster</b>	<b>Vector</b>
Raster graphics are created on the basis of pixels.	Vector graphics are created on the basis of Mathematics.
Raster file types are .png, .jpg, .gif, tiff, .psd	Vector file types are .eps, .ai, .pdf, .svg, .sketch
Software used to edit raster graphics is Adobe Photoshop	Software used for vector graphics image – Adobe illustrator, Sketch

#### 4. With the help of Microsoft Photo story how will you create a video?

Microsoft photo story can be used to make videos using photos.

First we have to upload in the photos and have select music for the video.

##### Step 1

Open the application of 'Microsoft Photostory'. In that select 'Begin a new story' and click on Next.

##### Step 2

Click 'Import Picture' in the next screen. Now, the files in our computer will appear. Select 'Saved pictures' for video.

There is a provision for editing the picture. If required, we can edit the image and click on 'Next'.

##### Step 3

Now we can input small text which is apt to the pictures. Then click on 'Next' and give animation to the videos. We can give audio effect also to these images. After finishing this click on 'Next'.

##### Step 4

To provide background music, we can select a music file through 'Select Music' and click on 'Next'.

## Step 5

Next select a title for the story and select the place where it has to be saved in your computer. Then, through SETTINGS, change the format of the video.

## Step 6

Now our video is ready to view. Click 'VIEW YOUR STORY'. You can see your video now.

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