



INDIAN SCHOOL AL WADI AL KABIR

Class: X	Department: Computer Science
QUESTION BANK	INFORMATION TECHNOLOGY

CHAPTER-2 WORKING WITH IMAGES

MULTIPLE CHOICE QUESTIONS (MCQS)

1. A picture is a digital image represented by a finite set of digital values (0 or 1) known as:
(a) Bits
(b) **Pixels**
(c) Vectors
(d) Nodes
2. What does JPEG stand for in image formats?
(a) **Joint Photographic Experts Group**
(b) Joint Picture Experts Group
(c) Joint Photographic Experts Graph
(d) Joint Photographic Experts General
3. Which keyboard shortcut is used to copy a selected image?
(a) Ctrl+X
(b) Ctrl+V
(c) **Ctrl+C**
(d) Ctrl+I
4. The Image Filter window in LibreOffice Writer provides how many different filters?
(a) 5
(b) 8
(c) 10
(d) **11**
5. Which filter makes a picture appear like a painting by reducing colors?
(a) Charcoal Sketch
(b) Mosaic
(c) **Posterise**
(d) Relief

6. Which tool is used to cut off non-desirable parts of an image?
 - (a) Resize
 - (b) **Crop**
 - (c) Flip
 - (d) Rotate
7. In the Drawing Object Properties toolbar, which of the following is NOT a grouping option?
 - (a) Exit Group
 - (b) Ungroup
 - (c) Enter Group
 - (d) **Delete Group**
8. Which of the following is NOT a correct file extension for an image file?
 - (a) GIF
 - (b) JPEG
 - (c) **.odt**
 - (d) PNG
9. The text or image that appears faintly in the background of a page is called a:
 - (a) **Watermark**
 - (b) Trademark
 - (c) Copyright
 - (d) Embossing
10. Which tool is used to place an image at the bottom of all other objects?
 - (a) Back One
 - (b) Bring to Front
 - (c) **Send to Back**
 - (d) Forward One

DESCRIPTIVE TYPE QUESTIONS

1-Mark

1. **Define a 'digital image'.**
Answer: A digital image is a representation of an image in a finite set of digital values (0 or 1) known as pixels.
2. **Which menu is used to insert an image from a file on the hard disk?**
Answer: The **Insert** menu.
3. **What acts as a reference point for a drawing object?**
Answer: An **Anchor**.
4. **Which handles are used to rotate an image in LibreOffice Writer?**
Answer: The **corner handles**.
5. **How can you delete an inserted image?**
Answer: By **selecting the image** and pressing the **DELETE** key.
6. **Which tool allows modifying Red, Blue, and Green colors individually?**
Answer: The **Color drop-down list** on the image toolbar.
7. **What happens when you use edge handles to resize a drawing?**
Answer: It resizes the drawing **non-proportionally**.

8. Which key should be held while selecting multiple lines to group them?

Answer: The **Shift** key.

9. Which filter joins groups of pixels into a single area of one color?

Answer: The **Mosaic** filter.

10. Where is the Drawing toolbar usually displayed in the document window?

Answer: At the **bottom** of the document window

DESCRIPTIVE TYPE QUESTIONS

2-Mark

1. Differentiate between resizing and cropping an image.

Answer: **Resizing** changes the overall dimensions (scale) of the image, while **cropping** cuts away unwanted outer parts of the image to focus on a specific area.

2. What is the purpose of 'Grouping' drawing objects?

Answer: Grouping allows multiple individual shapes to be treated as a **single entity**, making it easier to move, resize, or change properties for all objects at once.

3. Explain the 'Posterise' filter.

Answer: The Posterise filter makes a picture look like a painting by **reducing the number of colors** used in the image.

4. How do 'corner handles' differ from 'edge handles' during resizing?

Answer: Corner handles resize the image while **maintaining its original proportions**, whereas edge handles resize it non-proportionally.

5. List the primary components found in the Color drop-down list of the Image toolbar.

Answer: It includes the three primary colors (**Red, Green, Blue**) and adjustments for **Brightness, Contrast, and Gamma**.

6. Describe the 'Charcoal Sketch' filter.

Answer: This filter modifies the image to look like it was drawn as a **charcoal sketch**.

7. How can you insert an image using the Gallery?

Answer: Open the Gallery from the sidebar, select a category, and use the **Drag and Drop** method to pull the desired image into the document.

8. What is the 'Relief' filter used for?

Answer: It adjusts the light source in an image to **create shadows**, giving the picture a raised effect.

9. Explain 'Flip Vertically' vs 'Flip Horizontally'.

Answer: Flip Horizontally mirrors the image from **left to right**, while Flip Vertically mirrors it from **top to bottom**

1. **Explain the step-by-step process of inserting an image from a file using the Insert Image dialog box.**

Answer: 1. Ensure the image file is on your disk. 2. Place the cursor where you want the image. 3. Go to the **Insert menu** and select **Image**. 4. Navigate to the folder containing the file. 5. Select the file and click **Open**.

2. **Describe the various tools available in the Image Filter window.** *Answer:* The window contains **11 filters**. Key filters include: **Posterise** (reduces colors to look like a painting), **Charcoal Sketch** (simulates charcoal drawing), **Relief** (creates shadows based on light source), and **Mosaic** (groups pixels into single-color areas).

3. **How do you create a family tree using the Drawing toolbar in Writer?** *Answer:* 1. Enable the **Drawing toolbar**. 2. Select the **Rectangle tool** and drag to create boxes for members. 3. Enter text by selecting the rectangle and typing. 4. Use the **Line tool** or **Line with Arrow** to show hierarchical relations. 5. Save the file.

4. **Discuss the options available for arranging and aligning images in a document.** *Answer:* Arrangement tools include **Bring to Front** (top layer), **Forward One** (up one level), **Back One** (down one level), and **Send to Back** (bottom layer). Alignment options allow positioning the image **horizontally** (left, center, right) relative to the anchor point.

5. **Explain how to change the properties of a drawing object both before and after its creation.**

Answer: **Before creation:** Select the tool from the toolbar and modify properties like fill color or line width; these remain for the session. **After creation:** Select the object first, then use the **Drawing Object Properties toolbar** or right-click to modify its aspects.

6. **Describe the process of grouping multiple shapes into a single entity.**

Answer: 1. Select the first shape. 2. Hold the **Shift key** and click on other shapes to select them. 3. Go to the **Drawing Object Properties toolbar** and select the **Group tool**, or use the menu: **Format > Group > Group**.

7. **What are the different components of the Image Toolbar, and how do they help in image modification?**

Answer: The toolbar includes tools for **Filtering** (applying effects), **Image Mode** (Grayscale, Black/White), **Color** (adjusting RGB and brightness), **Transparency** (setting see-through levels), and **Cropping/Flipping**.

8. **Elaborate on the 'Crop' functionality in LibreOffice Writer.**

Answer: The Crop tool is found on the Image toolbar and is used to **cut off undesirable parts** of an image. When activated, it provides handles that can be

dragged inward to hide parts of the image without changing the scale of the remaining part.

9. **How does 'Anchoring' affect the positioning of an image in a document?**

Answer: Anchoring determines how an image stay attached to the text. Options include **To Page** (fixed on a page), **To Paragraph** (moves with the paragraph), **To Character**, and **As Character** (treated like a text character).

10. **Explain the rules for naming and managing drawing objects in a professional report.**

Answer: Objects should be properly **aligned** and **anchored** to relevant text. Using **Grouping** ensures that complex diagrams (like flowcharts) stay together when the document layout changes. Properties like **Contrast and Brightness** should be adjusted to ensure clarity