Chapter 2 – Introduction to Adobe Photoshop

Part I: Short Questions

Q1. Introduction to Adobe Photoshop?

- Adobe Photoshop is a **professional image editing software** used for photo correction, retouching, digital painting, and graphic design.

- It works with **pixels (raster graphics)**.

Q2. Define Magic Wand tool?

- A **selection tool** that selects areas of the same color with one click.

- Useful for background removal.

Q3. Define Crop tool?

- Used to **trim, cut, or resize** an image.

- Removes unwanted areas.

Q4. Define Spot Healing Brush tool?

- Automatically removes **blemishes, spots, and scratches** by blending with nearby pixels.

Q5. Define Patch tool?

- Repairs a selected area by **replacing it with pixels** from another part of the image.

Q6. Define Dodge tool?

- Lightens specific parts of an image.

- Used for **highlighting**.

Q7. Define Zoom tool?

- Magnifies (zoom in) or reduces (zoom out) the view of an image.

Q8. Define Pixel?

- The **smallest unit of a digital image**.

- Short for "Picture Element".

Q9. What is Layer?

- Layers are like **transparent sheets** stacked on each other.

- Each layer can hold text, images, or effects separately.

Q10. What is Layer Panel?

- The **control center of layers** where you manage, hide/show, reorder, and apply effects to layers.

Q11. What is Adjustment Layer?

- A special layer used for **editing color, brightness, and contrast** without changing the original image.

Q12. Define Hand Tool?

- Moves the visible part of an image within the window when zoomed in.

✅ **Part II: Long Questions**

Q1. What is Layers and why use Adobe Photoshop Layers?

- **Layers**: Separate transparent sheets where images, text, and effects are placed.

- **Why use layers?**

  1. Easy editing without affecting the whole image.

  2. Allows non-destructive design.

  3. Manage multiple elements (text, shapes, images).

  4. Add blending, masks, and effects.

Q2. Write overview of Photoshop and write 10 tools?

- **Overview**:

  o Adobe Photoshop is a **raster graphics editor**.

  o Used for **photo editing, web design, posters, UI design, and illustrations**.

- **10 Tools**:

1. Move Tool

2. Marquee Tool

3. Lasso Tool

4. Crop Tool

5. Brush Tool

6. Eraser Tool

7. Gradient Tool

8. Dodge Tool

9. Text Tool

10. Zoom Tool

Q3. Describe Layers Panel in detail.

- The **Layers Panel** is where all layers are shown and managed.

- Features:

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1. Shows thumbnails of each layer.

2. Allows **renaming, deleting, grouping** layers.

3. Supports **blending modes** (e.g., Multiply, Overlay).

4. Controls **opacity and fill**.

5. Provides **layer styles** (shadows, glows, strokes).

6. Contains **adjustment and mask options**.

Q4. What is Pixel?

- Pixel = Picture Element.

- Smallest unit of a digital image that holds color information.

- Resolution depends on the number of pixels (e.g., 1920×1080).

- More pixels = higher clarity.

🌟 **Extra Important Questions**

Q1. Difference between Raster and Vector graphics?

- Raster: Made of pixels (e.g., Photoshop).

- Vector: Made of paths/shapes (e.g., Illustrator, CorelDRAW).

Q2. What is the difference between Healing Brush Tool and Clone Stamp Tool?

- Healing Brush blends pixels.

- Clone Stamp copies exact pixels.

Q3. Name two file formats Photoshop can save in.

- PSD (Photoshop Document), JPG, PNG, GIF.

Q4. What is the function of History Panel?

- Keeps record of recent actions.

- Allows undo/redo of steps.