

# Cap 806

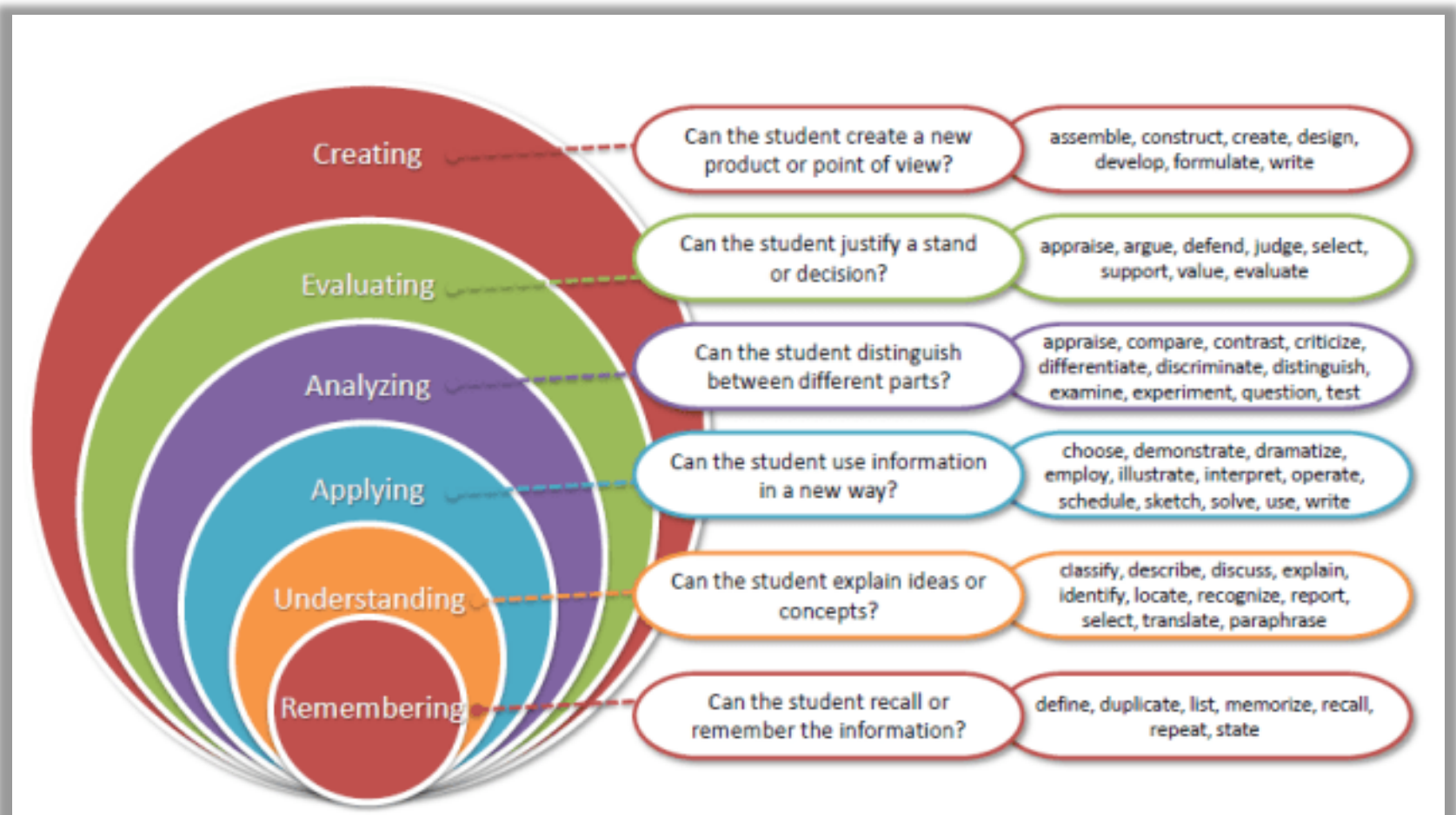
# PHOTOSHOP

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## Lecture #0

The kick start session

# Revised Bloom's Taxonomy



# Program Outcomes

PO1 : **Analysis & design of complex problems** : Ability to apply knowledge of computer science concepts, principles & techniques to solve various computing problems.

PO2 : **Societal Impact** : Acquire and apply advanced knowledge of concepts and participate in sustainable development.

PO3 : **Modern tool usage** : Ability to use the modern programming languages, tools, techniques and skills necessary for design, develop and deploy software based applications.

PO4 : **Domain Knowledge** : Ability to apply exploration to study and analyze problems in different areas of information technology.

PO5 : **Professionalism** : Ability to Manage time well, demonstrate an appropriate level of preparedness and maintain a high standard for personal and professional demeanor, accepting responsibility and accountability for words and actions

PO6 : **Research Problem Solving** : Ability to assimilate, evaluate and present research results objectively

PO7 : **Employability** : Ability to get employment opportunities in corporate/government/private sectors or to be a successful entrepreneur

# Course Outcomes

CO1:::apply masking techniques to hide or reveal portions of layers in an image

CO2::: analyze different layers of images and work with them for creating animations

CO3:::construct the images by using various color modes

CO4::: develop images in Photoshop GUI from start to end.

# Course Details

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LTP – 0 0 3 [Three Practicals/week]

## **Text Book**

PHOTOSHOP CS6 UNLOCKED, 2/ED 101 TIPS,  
TRICKS & TECHNIQUES

# Course Assessment Model

## Marks break up

• Attendance	5
• CA (2 best out of 3)	45
• ETE	50
	<hr/>
<b>Total</b>	<b>100</b>

# Acknowledgements

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- The Khan Academy
- EdX
- Coursera
- adobe.com
- Photoshopessentials.com
- Above all...

# The course contents

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- Getting started with Photoshop
- Working with Layers
- Working with Selections
- Accessing basic tools
- Working with blending options.
- Masking
- Working with adjustment Layer





# Photoshop

- The adobe Photoshop is a graphical user interface program and graphics editing program developed and published by Adobe Systems.

# System Requirement of Photoshop

## 1. Processor Requirement :

- Intel pentium 4 processor or AMD Athlon processor 2.2 GHZ or higher.

## 2. Operating System :

- Microsoft Windows XP with service pack3, Windows Vista, Home premium, Business Ultimate or Enterprises with service pack1, or Windows 7

## 3. RAM :

- 1GB RAM

## 4. Hard Disk (HD):

- 1GB of available hard disk space for installation

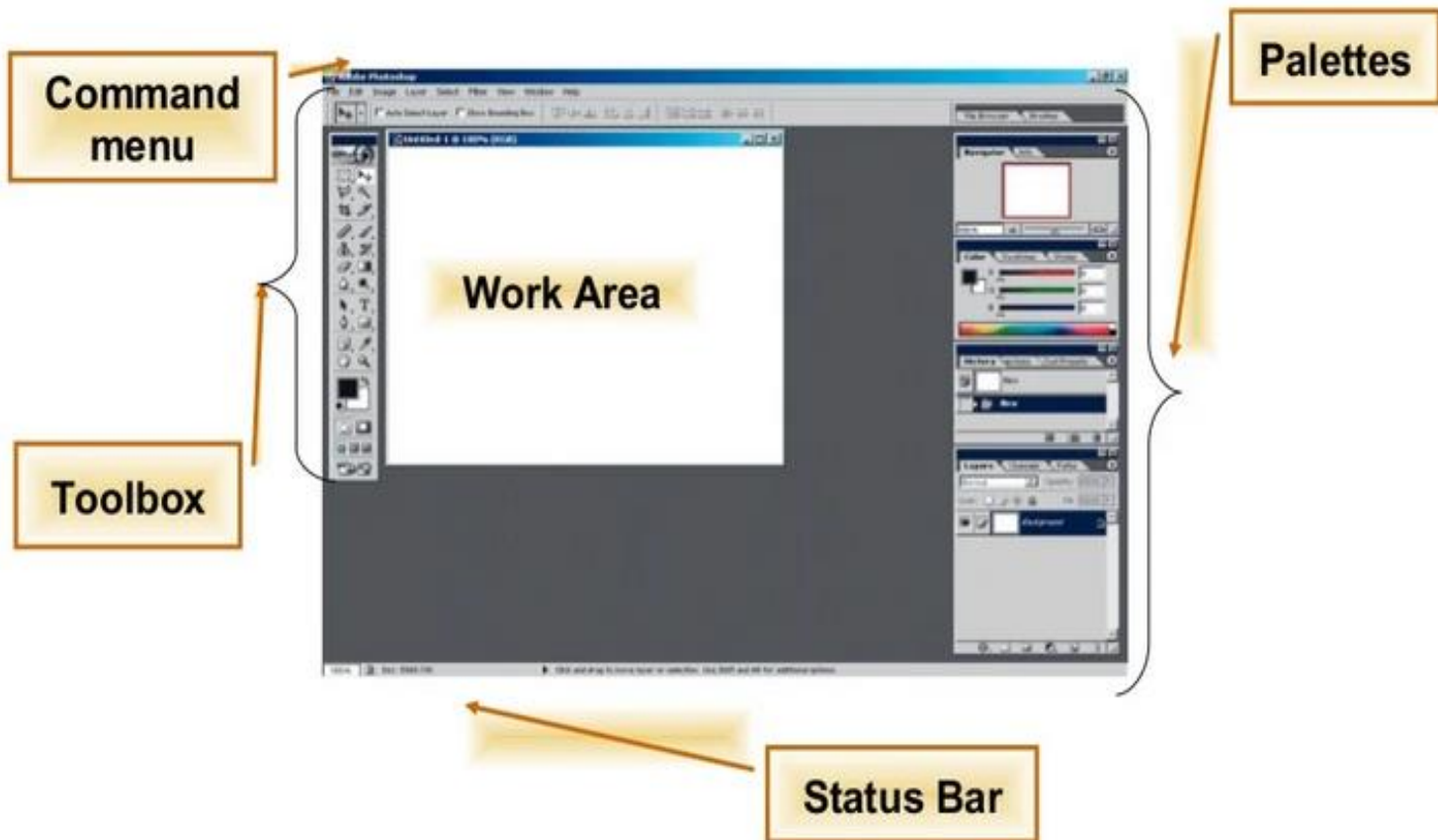
## 5. Display:

- 1024\*768 display with qualified hardware accelerated open GL graphics card, 16-bit color.

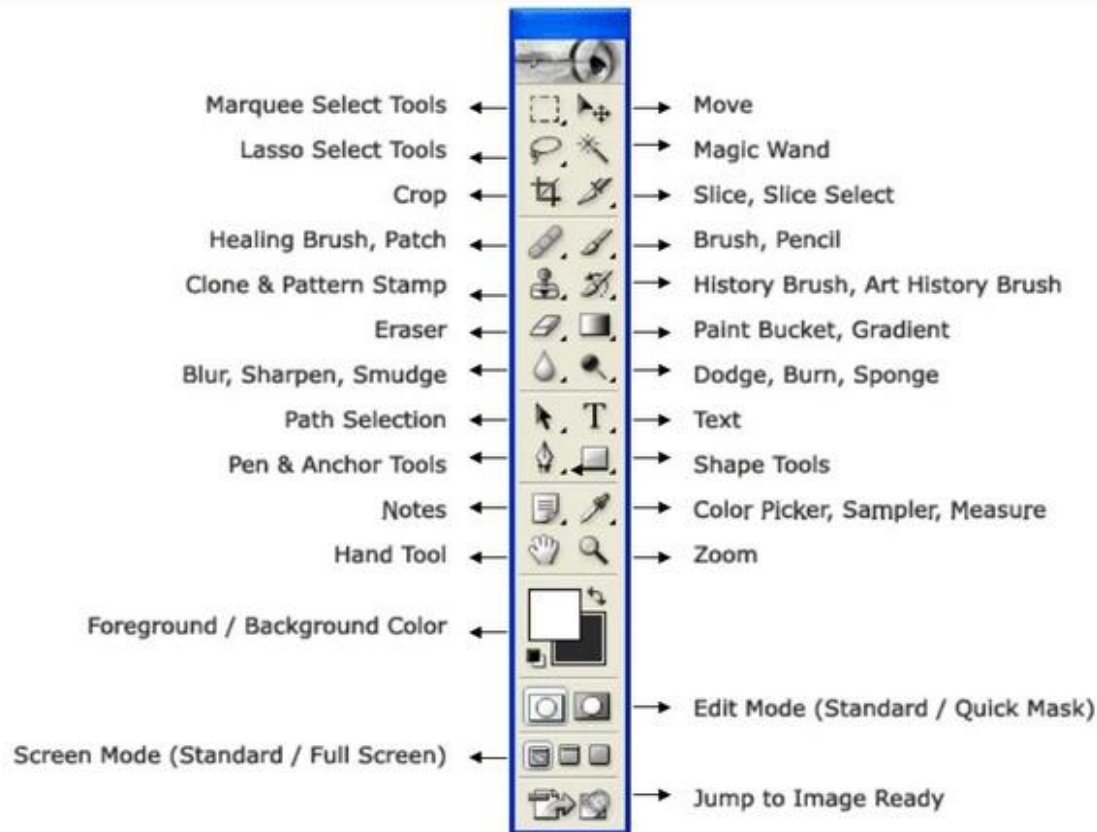
# Continued

- 6. DVD-ROM drive**
- 7. Quick time software required for multimedia features.**
- 8. Broadband internet connection required for online services**

# Workspace Elements



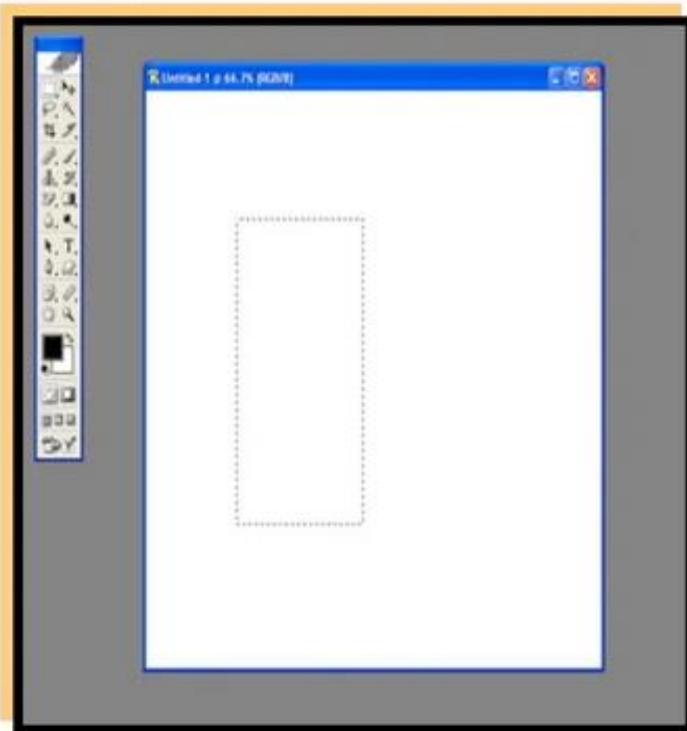
# Photoshop Toolbox



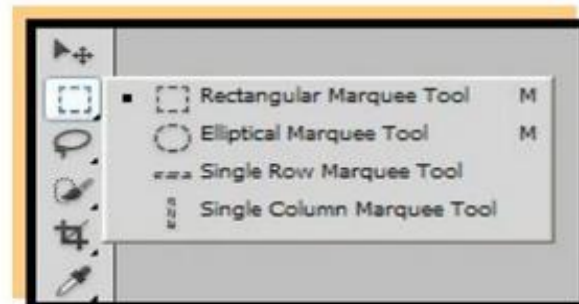
If you hold Shift while pressing the key you will cycle through all the tools in that group.

# Marquee Tool

A selection:

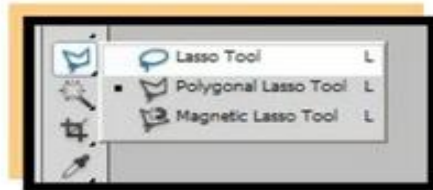


- Shortcut – M.
- This is a selecting tool, which you can use to select parts of your images and shapes.
- Marquee Selection tools:
  - Rectangular marquee tool
  - Elliptical marquee tool
  - Single row
  - Single column



# Lasso Tool

- This is a selection tool which helps you to select the parts of images and extract them according to your requirement.
- There are three different lasso tools:
  - Lasso tool
  - Polygon Lasso tool
  - Magnetic Polygon Lasso tool



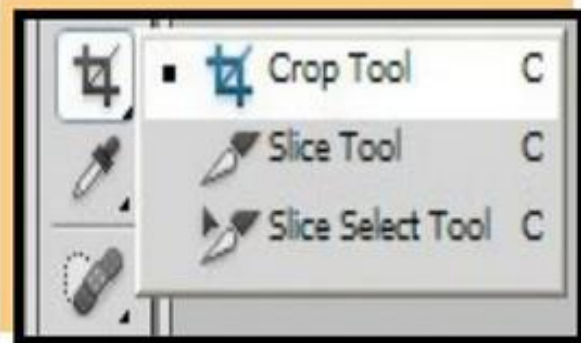
**Extract With a Lasso:**





# Crop Tool

- The Crop Tool allows you to crop your images to the desired size.
- It remove unwanted portions and focus the viewer's attention on a particular aspect or element.



Crop away:





# Magic Wand Tool (W)

- Use this to select a color range.
- It will select the block of color, or transparency, based on wherever you click.
- In the Options Bar at the top, you can change the Tolerance to make your selections more/less precise.

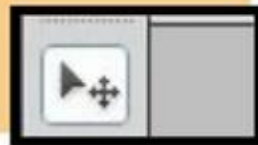


## Magic Wand Extraction:

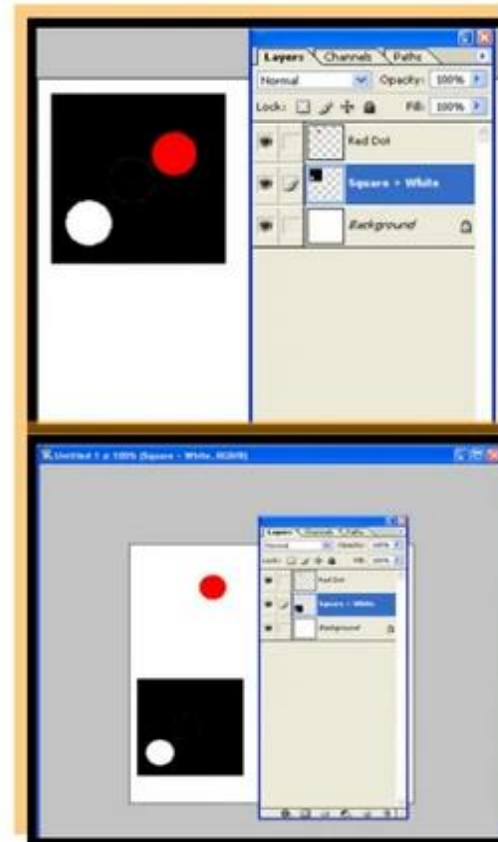


# Move Tool

- It is used for moving pixels on the screen. You can move text, layer masks, normal layers, selected areas.
- Access the move tool by clicking the arrow icon at the top of the tool bar or press **V** as the keyboard shortcut.



Move a layer:



# Healing Brush Tool

- The Healing Brush tool allows you to fix image imperfections such as scratches, blemishes, etc.
- By sampling the surrounding area or using a predefined pattern you can blend the imperfections into the rest of the image.



Using the healing brush tool:



# Eraser tool

- Photoshop's eraser tool can be found in the second group of icons in the toolbox.
- The eraser is basically a brush which erases pixels as you drag it across the image.
- Pixels are erased to transparency, or the background colour if the layer is locked.



Background Eraser Tool:

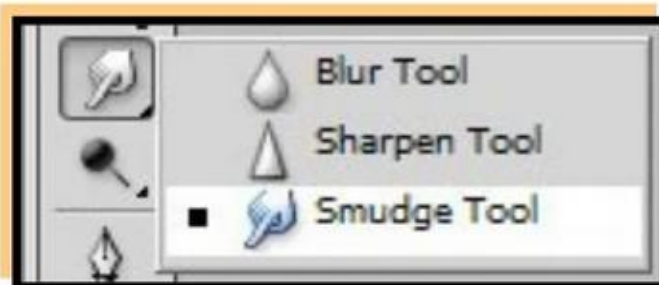


Magic Eraser Tool:



# Blur Tool

- The Blur tool applies fairly subtle blurring to the areas you drag the pointer over.
- The image below shows the Blur tool options but all of these apply to the Sharpen and Smudge tools, too.





# History Brush Tool

- The history brush uses a previous state or snapshot of an image.
- The tool makes a copy of the image as it was in a previous state, then uses the content of this copy to paint with.

Using history brush tool:

