

Digital Imaging and Photography Final Study Guide

What does ISO do on a digital camera?

How will your performance change when setting your digital camera to a higher ISO?

What are the advantages of Digimark to other safeguarding methods? What are other safeguarding methods?

Explain aperture settings. Which will have more depth of field: a setting of f16 or f4?

What is focal length?

Explain what a camera does for you when you use typical camera modes such as scenic, sports, portraits, and action?

One stop larger (f5.6 to f4 for example) lets in how much more light?

How does doubling the shutter speed, say from 1/100 to 1/200 second affects the amount of light?

Typical digital cameras adjust exposure to achieve an average of _____ % gray.

Explain bracketing

What are "exposure zones"?

What is "spot metering"?

What techniques can you use on your digital camera to improve its ability for "selective focus" that is, limit the camera's depth of field?

What is a Continuous or Burst Mode Camera Setting?

What are the useful differences between Direct Flash, Bounce Flash, Fill Flash, and off camera direct flash?

What is the advantage of 16-bit color Depth?

What exactly does Curves do?

What is an adjustment layer useful for ?

What is the difference between normal, overlay, and luminosity layer blending modes?

What is a layer mask useful for?

What does dodging do?

What does burning do?

Explain the differences between short lighting, broad lighting, and butterfly lighting. How might each type flatter a particular subject?

Generally, how does Custom White Balance work?

What is a double catchlight?

What is Bit Depth?

What are several ways to use Non-Destructive Photoshop Editing?

What are strategies for best using the Liquify tool?

What is PS Color Mode all about?

What is a Color channel?

Within Photoshop, what does 16-bit color actually mean?

What are Sources of "bad" color on digital cameras?

Auto Contrast preserves the overall color relationship better than Auto Levels, but Auto Levels maximizes the tonal range in each channel separately to produce a more dramatic correction.

What tools do you get in the Color Balance tool in PS?

What tools do you get in the Variations tool in PS?

What is unique about the Shadow/Highlight tool?

How would you use a Reflector panel?

How would you use a Diffuser panel? (or it's larger cousin, a "scrim"?)

What is a Hard Light?

What color is Fluorescent lighting? (Greenish or Low Red)

What imperfections is the Photoshop lens correction filter designed for?

Explain generally what you are doing when converting an image from color to BW using the channel mixer method.

What should you be certain to take with you on a trip to a foreign country in order to help you bring back great travel pictures?

What is the ideal color temperature?

Which blending mode did we use to get the Glamorous Glow effect?

What is the Freeze Mask for in Liquify?

How do we usually set aperture in macro photography, larger or smaller?

What is a good focal length for macro photography, wide or telephoto?

What is more important to macro photography, closeness of the subject to the camera, or magnification?

What typically happens to your depth-of-focus as you move closer to the subject?

What is a Ringlight?

How much of the available depth-of-field is usually behind the object in focus, and how much is usually in front?

Why would you want to make sure the back of your camera is parallel to the plain in which the main subject lies?

How do you use PS to create a Web Page for your work?

How do you use the eyedroppers in the Levels or Curves to correct a color cast?

If you must use a built-in flash for photography, what can you do if it is too bright?

What do a cooler and a water spray bottle have to do with close-up photography?

*What does the second set of sliders in the Levels dialog box do?
How do we set the Output Level numbers?*

What are two advantages of using RAW Files with PS?

Technically, what are several advantages to editing such things as contrast and saturation in Camera RAW, when you could do the same things with Photoshop's regular tools anyway?

What is the advantage of creating black and white versions of images in the RAW editor rather than in PS?

How many pixels do you need if your desired output size is 10" and desired output resolution is 72ppi?

How many pixels do you need if your desired output size is 4" and desired output resolution is 300ppi?

What does Image > Canvas Size do?

What specific kinds of distortion will the Lens Correction Filter fix?

*Explain what is represented by a histogram.
(Quantity of pixels per tonal range divided into 256 steps from black to white. Represents tonal properties of an image.)*

What is "clipping" in a tonal range, and why do we care?

Explain what the three triangular sliders in the Levels tool do.

What is luminosity?

What is white balance?

What is the most recommended color profile for photography?

*What does Match Color do when you match one image to another?
When do you think it would be useful?*

What are the characteristics of photographs that must be matched when trying to composite images?

What do softbox grids and honeycombs do?

Why might you want to try two different size softboxes on the same image?

What are two good situations to use a Polarizer filter?

What are the basic guidelines for placing horizons in your scenic pictures?

How do you use Levels to target highlight and shadow details for printing? What does this do?

What is a halftone dot?

What is "framing" in picture composition?

When saving an EPS version of your image, what does "preview" do?

What are key qualities of a product photograph?

What is the most important recent lighting equipment invention?

What are the general guidelines for softbox placement, and distance from the object to be photographed?

What special concerns are there when photographing white products?

How do you create and best use EPS and PDF files with Photoshop?

How do you make an automated PDF slideshow with Bridge?

How do you incorporate password security on your PDF files?

How do you make a contact sheet with Bridge?

How do you make a web page of your images, complete with thumbnail links with Bridge?

What are the important techniques to remember when taking photographs that will be "stitched" together to form a panorama?

What happens if you shift the plane of the camera to match the plane of the subject, as with a tilt/shift lens?