

## **Photography – Camera Tools and Functions Study Guide for Test**

Be prepared to answer verbally these questions (or very similar questions)

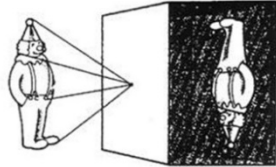
1. Which is the fastest ISO (film speed)? 200 or 3200?
2. This is the tone (or value) to which all light meters average the light given off by the scene which is being photographed?
3. This tool indicates how much light is being allowed into the camera based on the current aperture, shutter speed, and ISO settings.
4. What is a change in an exposure setting, either aperture or shutter speed, that either doubles or halves exposure?
5. What happens to digital photos the when you shoot on higher ISO settings?
6. What controls the duration (time) of an exposure on a camera?
7. What is the tool that controls the volume of light (the opening) entering the camera during an exposure?

8. What is another term for aperture?
  
9. Why do smaller aperture numbers (as they are displayed on the camera) represent larger openings?
  
10. Describe what is meant by a stop in the realm of photography?
  
11. Which aperture setting would produce the largest depth of field?  $f/4$  or  $f/22$ ?
12. Which aperture setting would produce the shallowest depth of field?  $f/1.7$  or  $f/8$ ?
13. Which aperture is most often used for portraits to de-emphasize the background and make the face stand out?  $f/2.8$  or  $f/16$ ?
  
14. Which aperture would be best used to shoot a landscape and get the most of scene in focus with the largest depth of field?  $f/4$  or  $f/22$ ?
  
15. Which shutter speed would best freeze motion?  $1/60$  or  $1/2000$ ?

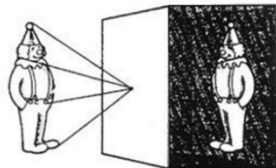
16. What is the combined effect of the **volume** of light striking the light sensitive surface and its **duration**?

17. Which diagram demonstrates how an image is projected inside a camera?

A.



B.



A or B? \_\_\_\_\_

18. White balance is a function of a digital camera used to \_\_\_\_\_ for \_\_\_\_\_ colors of light being emitted by \_\_\_\_\_. In digital photography the term is generally used to describe a function of a digital camera that allows you to \_\_\_\_\_ the device to correctly display the color white. Once this \_\_\_\_\_ has been done, the camera should then display \_\_\_\_\_ correctly as well.

19. Exposure Bracketing is the process where you shoot the exact same scene at different \_\_\_\_\_ settings.

20. What are the three factors that affect depth of field?