

Name:

Video Cinema Arts | DSLR Fundamentals

Lecture by JD Gonzales

Your Score:

Highest Possible Score: **100**

This test is to be graded with a right/wrong point system. If an answer is wrong, you will lose 1/2 of the points that question is worth from the overall test e.g. if the question is worth 4 points and the answer is wrong, then you will lose 2 points from the overall test.

All tests may be revised and turned back in for full points. Good Luck!

1. What is focal length? (2 points)
 - A. The distance from your camera to your subject.
 - B. The amount of your frame in focus.
 - C. The number on a lens that correlates to how *zoomed* it is.
 - D. How wide the Iris (aperture) is.

2. What would be a likely scenario to turn on highlight tone priority mode? (2 points)
 - A. When you're outside filming someone in the sun.
 - B. When you're filming a bald person with a shiny head in the studio.
 - C. When you're shooting a lake on a sunny day.
 - D. All of the above.

 - E. None of the above.

3. What is an F-Stop? Bonus point for proper relationship to FL and another for meaning of the F. (4 points)

4. Complete the F-Stop Pattern to F22. I've added an F to each number, please do the same. (4 points)

F1 F1.4 F2 F2.8

5. What is the difference between F2.8 and F22? How do they affect our image? (4 points)

6. What is Depth of Field? (4 points)

7. What is Shutter Speed? What does it control? (4 points)

8. How does Shutter Speed affect our image? (4 points)

9. What is ISO? (4 points)

10. How does ISO affect our image and what does it allow us to do? (4 points)

11. Why is noise such an awful thing? Can you think of a scenario where it would work to our advantage (think outside the box)? (4 points)

12. I'm shooting a tire spinning at F5.6 - 1/50 with an ISO of 100. I feel my exposure is perfect but I want to change my shutter speed to 1/400.

If I were to change my F-Stop, what would I change it to while holding the same exposure? (4 points)

(Please show your work)

13. If I were to change my ISO? (4 points)

(Please show your work)

14-19. **True or False:** For each statement, circle True or False. (10 Points – 2 each)

- | | | |
|------|-------|---|
| True | False | a. Depth of Field is affected by ISO. |
| True | False | b. Aperture controls the amount of light being let into the camera. |
| True | False | c. All tungsten lights are balanced to 3200 degrees Kelvin. |
| True | False | d. Dynamic Range refers to the cameras ability to register color. |
| True | False | e. Saturation refers to how rich the colors are. |

Fill in the Blank: Into each sentence below, copy a term from the word bank that correctly completes the sentence. (10 points – 2 each)

High Key Lighting	Sensor	Highlight Tone Priority Mode	Histogram
Low Key Lighting	Contrast	Picture Style	Prime
Auto Gain Control	Zoom	Daylight	Kelvin

20. _____ can be observed in a frame with dim overall brightness.
 21. To create a more flattened or *washed out* image, I would adjust the _____ settings in the camera.
 22. A lens with a variable focal length is known as a _____ lens.
 23. The _____ is an excellent setting to enable on your camera while recording external sound.
 24. Light colorcast is measured in the spectrum known as _____.
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25. What is the Rolling Shutter Effect? Explain what it looks like, and draw a diagram explaining why it happens. (6 Points)



26. Is this image overexposed? Explain how you know. (6 points)

27. Essay Question 1 (10 points): If I'm filming a man running through a field with a FL 200 Prime Lens at an F22 – 1/800 with an ISO of 1600, what can you tell me about my image? If you need more room, continue on a separate sheet of ruled paper and staple it to the test.

28. Essay Question 2 (10 points): Describe the frame on the screen using key terminology as well as your own intuition. If you need more room, continue on a separate sheet of ruled paper and staple it to the test.
