

## Digital Special Effects Quiz #1

History, Traditional Techniques, Optical & Digital Compositing

Name: \_\_\_\_\_

- Who is known as the Father of Special Effects?  
a) Lumiere      b) Edison      c) Melies      d) Paul      e) Porter
- What was the world's first known special effects shot?
- With the expression  $O = x * I$ , given  $x$  is a number (could be lower or greater than 1), what quality about the image would tend to be changed?
- What is it called when a digital image has already been "affected" by its included matte?
- Linwood Dunn helped pioneer the \_\_\_\_\_, a device that became the powerhouse for creating visual effects for decades.
- What was a major trend in the 1950s that was a significant effect on cinema? What was one response?
- Which process used a black-backing and was one of the first traveling-matte techniques?  
a) Dunning-Pomery      b) Williams      c) Blue-Screen Color Separation      d) Sodium-Vapor
- Technicolor had how many strips?  
a) 1      b) 2      c) 3      d) 4      e) 5      f) 6      g) 7      h) 8
- What was a weakness of the *blue-screen color separation process* that the later *blue-screen color difference* process helped solve?
- Who developed and patented the *blue-screen color difference process*?  
a) Dunn      b) Porter      c) Vlahos      d) Iwerks
- The Birds* used some mattes (traveling) that were not created by chroma-key but were \_\_\_\_\_.
- Two mattes are needed in optical compositing, \_\_\_\_\_ and \_\_\_\_\_.
- How many strips of film are used in optically compositing a foreground element with a background plate?  
a) 1      b) 2      c) 3      d) 4      e) 5      f) 6      g) 7      h) 8
- A color digital image is constructed of three different color layers, called \_\_\_\_\_, much like film has three different layers of color on top of the celluloid.

15. Individual dots in an image are called \_\_\_\_\_.

16. HSV represents a color scheme using *hue*, \_\_\_\_\_, and *value*.

17. Which has a “nonlinear” color space?

- a) Flash video      b) Windows Bitmap Image      c) Celluloid film      d) .jpg file from point-and-shoot

18. What does this kernel do when convolved with an image:

$$\begin{bmatrix} 1/9 & 1/9 & 1/9 \\ 1/9 & 1/9 & 1/9 \\ 1/9 & 1/9 & 1/9 \end{bmatrix}$$

19. What would  $O = I^{1/0.9}$  tend to do to an image?

Mids would be \_\_\_\_\_

Black would be \_\_\_\_\_

White would be \_\_\_\_\_

What is this operation typically called? \_\_\_\_\_

20. The channel of an image that contains the matte for that image plate is called \_\_\_\_\_.