

Reading Hospital School of Health Sciences  
Medical Imaging Program  
MI 237

**Unit 7 Review Questions**

1. In terms of viewing quality, what is the greatest disadvantage of an LCD monitor?
2. What characteristic of a monitor resizes the image so it does not show distortion on the current display screen?
3. What is defined as the black level of the display monitor?
4. What three colors are used to produce color on CRT and LCD monitors?
5. This is known as the smallest screen element which can represent all gray levels or colors within dynamic range.
6. A dead pixel appears \_\_\_\_\_ on the monitor while a stuck pixel appears \_\_\_\_\_ on a monitor.
7. Describe how nematic liquid crystals help produce and image.
8. The \_\_\_\_\_ state of an LCD monitor allows light to pass through.
9. Which characteristic of a monitor is defined as the difference between the darkest blacks and the brightest whites a given display can produce?

10. Name various QC test and their purpose to evaluate the monitor?
  
11. What are the 2 types of reflectance of a monitor?
  
12. This common workstation function of PACS allows cine runs.
  
13. The heart of PACS is the \_\_\_\_\_.
  
14. So that different brands of computerized medical equipment might be compatible so that images and data can be sent between different hospitals and clinics, the ACR and the NEMA jointly developed the standard called?
  
15. What are the 3 components of PACS?
  
  
16. Describe how RAID works with short-term storage.
  
  
17. What is HL7?
  
  
18. What refers to all of the associated database information “behind “ each image and includes 80-100 lines of details?
  
  
19. This post processing creates a 3D, moveable image based on the pixel intensity of choice.

20. Describe the difference between an image annotation and an image markup.
  
21. What type of compression is done to the images for more efficient image transmission?
  
22. What is an EHR?
  
23. This Information System assigns the accession number to a procedure.
  
24. This type of network extends to other businesses or locations that may be at great distances.
  
25. Storage requirements of radiographic images in the US is for how many years?
  
26. State an advantage of storage of images on a CD/DVD.
  
27. Name two things found on a DICOM header.