

Sample Midterm Exam

These are examples of the types of questions I will ask. You are responsible for everything covered in class and in the assigned chapters of the book. Pay special attention to the “Key Concepts” at the end of the introduction of each part of the book.

There will be between 10 and 20 multiple choice and between 3 and 7 short answer (essay) questions.

1. In a single computer, which of the following would be the fastest?
 - a. PCI
 - b. AGPx8
 - c. Front side bus
 - d. PCI-Express
 - e. ADSL
2. The north bridge *never* has a direct connection to which of the following?
 - a. CPU
 - b. South bridge
 - c. Network card
 - d. RAM
 - e. Video card
3. Autofocus depends upon which of the following?
 - a. Spot metering
 - b. Horizontal lines
 - c. Full frame metering
 - d. Vertical lines
 - e. Center-weighted metering
4. An uninterruptable power supply (UPS) does *not* do which of the following?
 - a. Convert AC to DC
 - b. Convert DC to AC
 - c. Contain a battery
 - d. Supply a DC outlet
 - e. Protect against power outages
5. A rendering engine does which of the following?
 - a. Creates wire frames
 - b. Calculates positions of corners
 - c. Creates texture maps
 - d. Uses Z-sorting to calculate how tall an object should be
 - e. Magnifies distant objects
6. What is a CPU pipeline? How does it work?
7. Compare and contrast JPEG with MPEG.
8. What is the Windows registry, and how is it used?