

CPSC 203 Midterm Review: Fall 2007

For each question you are to select the *best* answer to each question.

1. _____ focuses primarily on the storage and retrieval of information on the computer.
 - a. Human-Computer Interaction
 - b. Graphics
 - c. Databases
 - d. Networking and distributed systems
 - e. None of the above

2. Which area of Computer Science overlaps *the most* with Mathematics?
 - a. Human-Computer Interaction
 - b. Computer Theory
 - c. Databases
 - d. Computer simulations
 - e. Information visualization

3. Out of the following algorithms which one is the fastest?
 - a. Linear: 'N'
 - b. Squared: 'N²'
 - c. Cubed: 'N³'
 - d. They are all equally fast
 - e. Two are equally fast, the third is slower

4. How does the Turing test for Artificial Intelligence work?
 - a. Because it is important to consider the human and the technological perspective when developing software the Turing test requires that the developer visit each potential user onsite.
 - b. The software asks a test participant a series of questions, if the questions are deemed as appropriate then an artificial intelligence has been created.
 - c. A test participant asks another person a series of questions in order to determine how people solve problems (thus employing the top down approach to creating an artificial intelligence).
 - d. A test participant asks another person and a software program a series of questions. If from the answers given, the test participant cannot tell the difference between the person and the program then an artificial intelligence has been created.
 - e. None of the above.

5. Which of the following are examples of computer hardware?
 - a. Mouse
 - b. Keyboard
 - c. Hard drive
 - d. (a) & (b)
 - e. All of the above

6. A processor with a clock speed of 3 Gigahertz means:
 - a. 3 pulses are sent out each second
 - b. 3 pulses are sent out each millisecond
 - c. 3 million pulses are sent out each second
 - d. 3 billion pulses are sent out each second
 - e. 3 billion pulses are sent out each nanosecond

7. What does the “R” refer to for CD-R drives??
 - a. You can read from the CD.
 - b. You can record information onto the CD.
 - c. You can rewrite to CD (record and erase information multiple times).
 - d. This CD is a next generation ‘rapid-format’ CD.
 - e. None of the above answers are true.

8. Which of the following is/are accurate descriptions of a (multi) threaded program?
 - a. It’s a program that can split into multiple parts; each part can perform a separate task.
 - b. It may run faster on dual-core processors than on ones with single cores (even if all other things are equal).
 - c. It takes advantage of the higher storage capacity of DVD drives which use the newer blue-violet lasers.
 - d. (a) & (b)
 - e. (b) & (c)

9. Which of the following is *NOT* a feature of the new processors that you can buy today?
 - a. Clock speed
 - b. Hyper-threading capability
 - c. Multiple cores
 - d. Blue ray or red lasers
 - e. All of the above are features in today’s processors

10. Which of the following tasks can only be completed with an Administrator account and not a limited user account in Windows?
 - a. Creating new documents
 - b. Deleting your own documents (created by that user’s account)
 - c. Changing other user accounts
 - d. (a) & (b)
 - e. All of the above

11. Which of the type of software would be the most appropriate one to use if you were performing a financial simulation and you wanted to try out several different scenarios?
- a. A text editor
 - b. A desktop publisher
 - c. A spreadsheet
 - d. A database
 - e. A translator
12. In the image below which principle(s) of Contrast, Repetition, Alignment and Proximity have been applied?



- a. Contrast
 - b. Repetition
 - c. Alignment
 - d. All of the above
 - e. None of the above
13. Which of the following are examples of computer interfaces?
- a. Command lines
 - b. ZUI's
 - c. Windows XP
 - d. (a) & (b)
 - e. All of the above

JT: Liked the practice exam, then you'll love the real thing!

