

Question no. A-1 (8 points) Why is Web 2.0 becoming more and more popular? Please also list some Web 2.0 examples to explain their different functionalities.

Question no. A-2 (8 points- each one takes 4 points) Please explain the relationship between: (1) XML and CSS, (2) XML and XHTML

Question no. A-3 (8 points) When designing a software or creating a Web server, how would you ensure its usability and accessibility?

Question no. A-4 (5 points) Please simply explain how to run PHP scripts which access MySQL databases? And list some examples using PHP and MySQL being used together.

Question no. A-5 (5 points) How would you differentiate the following programming languages? C++, Visual Basics, JAVA, JavaScript, VBScript.

Question no. A-6 (16 points- each one takes 4 points)

Multiple-select questions (NOTE: more than one correct answer for each question; correctly responding to one question can receive full 4 points; otherwise, the scores will be deducted one point when one missing or guessing wrong; you may receive negative points as punishment if too many missing or guessing wrong):

(1) What are the features of Windows Vista?

- A. Fast random disk reads for caching.
- B. Reliably supporting hybrid hard disk drives.
- C. Quickly accessing to application-owned memory managing process.
- D. Intelligently presenting content in system memory at any given time.
- E. Easily installing many applications to use, like before in Windows XP.

(2) What are true to YouTube in the following descriptions?

- A. One of its infrastructure utilizes Adobe Flash technology.
- B. Videoblogging feature is now at the experimental stage.
- C. No limitation in both size and quality when playing back videos.
- D. Now available to use it on iPhone at launch.
- E. Users can upload, view and share almost all kinds of video content.

(背面仍有題目,請繼續作答)

(3) What are true to Skype in the following descriptions?

- A. A peer-to-peer VoIP client.
- B. Similar to MSN and IM.
- C. Not free only to Linux users.
- D. Can be used on mobile devices running Windows Mobile.
- E. Can run from a USB stick without installation on a computer.

(4) What are common features of video conferencing programs?

- A. Able to share files to each other.
- B. Becoming a text conferencing only is permitted.
- C. Contain a hierarchy- host, presenter, and participant.
- D. Display multi-party video
- E. Easy to start conferencing.

B-1. How do shareware, freeware, and public domain software differ? Identify the name of a specific shareware or freeware. Describe your experience of that product to illustrate its value. (12%)

B-2. What are the five phases of the SDLC? Explain which one you feel is most important based on a specific project. (10%)

B-3. What is a digital signature? What is a digital certificate? Compare their differences. (8%)

B-4. What is a Web portal? Use an example to describe how does it work. (10%)

B-5. How does the control unit work? Any differences between Xeon and Celeron? (10%)