



Preparation Manual

Technology Applications EC–12 (242)

Overview and Exam Framework

Sample Selected-Response Questions

Sample Selected-Response Answers and Rationales

48. Which of the following formatting devices allows Web visitors to easily scan and locate information on a Web page?

- A. Graphics
- B. Web-safe colors
- C. Links
- D. Cascading Style Sheets

Answer

Option C is correct because links, coupled with bolded headings/subheadings, make the Web page more scannable and easier for users to review the page in order to get an idea of what the page is about. **Option A is incorrect** because graphics are helpful and nice to have on any site, but they do not make information more scannable. **Option B is incorrect** because the purpose of Web safe colors is that they are at least somewhat predictable across the various hardware and software platforms. They have nothing to do with making a Web page more scannable. **Option D is incorrect** because CSS was created by Web developers to define the look and feel of their Web pages. Developers were then able to separate content from design so that HTML could perform more of the function that it was originally for without worry about the design and layout.

49. A teacher wants to share a lesson plan with members of a Personal Learning Network (PLN). Which of the following is the most effective way to give the PLN members access to the lesson plan?

- A. Saving the lesson plan as a PDF file and uploading it to a blog
- B. Saving the lesson plan as a DOC file and sending it via e-mail
- C. Saving the lesson plan as a GIF file and uploading it to a flash drive
- D. Saving the lesson plan as a JPEG file and printing it out for the group

Answer

Option A is correct because a PDF is the easiest file format to share, and almost every computer reads PDF files. **Option B is incorrect** because people may not have the right version of Word to open the DOC file, and e-mailing the file is not the most efficient way to share it. **Option C is incorrect** because GIFs are graphic files; in addition, saving a file on a flash drive won't give access to others online. **Option D is incorrect** because JPEGs are graphic files; in addition, printing a file out is not an efficient way to share it with others.

50. Which of the following is the best strategy for protecting an individual's online image?

- A. Checking security settings for social networking sites
- B. Limiting online purchases and online posts
- C. Considering possible consequences before posting online
- D. Separating personal profiles from professional profiles

Answer

Option C is correct because doing so gives individuals an opportunity to consider consequences of actions that could result in permanent damage of their reputation. **Option A is incorrect** because security settings do not necessarily prevent others from reposting damaging photos and comments. **Option B is incorrect** because limiting online posts will not prevent damage caused by the online actions that upon consideration probably should not have been made. **Option D is incorrect** because separating personal and professional profiles does not prevent damaging actions to become public.