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**Chapters 5-9 Multiple-choice Questions and Some T/F Questions**

**There are two questions from Software Engineering Principle.**

1. Principle 1 (one multiple choice question)
   1. Assume failure and unreliability of system
2. Principle 2 (one multiple choice question**)**

**Read it carefully!**

**Chapter 5**

1. Which of the following is an example of biometrics:

Eye scanner, fingerprints, etc.

Correct answer: - pg 257-258

1. In the early days of computing (1960's to the early 1970's), a "hacker" was:

Someone good a programming and computers

Correct answer: - pg 231

1. Hacktivism is:

Hacking for a political cause

Correct answer: - pg 236

1. Web sites that look attractive to hackers, but are closely monitored so that everything the hacker does at the site is recorded and studied are known as:

Honey pots

Correct answer: - pg 246

1. Which of the following is NOT a program used by hackers to gain access to your computer:

Correct answer: - pg 246

1. In 2000, a French court ordered Yahoo! to block access by French people to

View nazi memorabilia

Correct answer: - pg 260-261

**Chapter 6**

1. Which of the following reasons for monitoring email, voice mail, and computer files is considered legal?

Viewing information stored on a business system

Correct answer: - pg 300-301

1. The practice of hiring companies or employees in other countries is known as:

Off-shoring

Correct answer: - pg 276

**Chapter 7**

1. Which of the following is NOT a Neo-Luddite criticism of computers?

Correct answer: - pg 334

1. Ken Olson, president of Digital Equipment Corp. in the late 1970's, Thomas J. Watson, chairman of IBM in the early 1940's, and Thomas Edison all made predictions about technology that were extremely wrong. Which of the following explains why the predictions of experts are often so far off?

Varied uses of technology

Correct answer: - pg 344-347

**Chapter 8**

1. Most of the delay in the opening of the Denver International Airport was because of problems with

Unexpected bad user input and limited testing

Correct answer: - pg 371-373

1. One of the sources of failure common to BOTH the Therac-25 and the Ariane 5 rocket was

Lack of testing and reuse of bad components

Correct answer: - pg 377 and 378-379

1. Which of the following occupations can sometimes cause Repetitive Strain Injuries (RSI)?

Typing, and swiping, repetitive movements

Correct answer: -pg 368

**Chapter 9**

1. In one application of a voice-recognition system, the system failed to recognize female speakers. A likely reason was

Predominantly male testers and programmers of system

Correct answer: - pg 409

2. Which of the following is NOT a principle for producing good systems?

Correct answer: - pg 407-410

**Chapter 5**

\_\_\_F\_\_\_ The government cannot monitor online activity of suspected hackers without a court order.

\_\_\_F\_\_\_ Computer forensics specialists cannot recover deleted files from an erased disk.

**Chapter 6**

\_\_\_T\_\_\_ Roughly half of major companies in the U.S. sometimes monitor the email or voice mail of their employees on company systems.

\_\_\_F\_\_\_ The Electronic Communications Privacy Act (ECPA) prohibits employers from intercepting and reading employees' stored email.

\_\_\_T\_\_\_ In the 1980's, the AFL-CIO advocated a government ban on all computer at-home work.

**Chapter 7**

\_\_\_\_T\_\_ Simplifications and assumptions are always made when designing a computer model.

\_\_\_F\_\_\_ Providing new technology to poor countries is a matter of having enough money to buy equipment.

**Chapter 8**

\_\_\_T\_\_ Some computer errors are actually system failures, in that it was the human/computer interface which caused the resulting problem.

\_\_T\_\_\_ The cause of failure in a computer program is often due to more than one factor.

\_\_\_T\_\_\_ Legacy systems are typically reliable, but inflexible.

\_\_\_T\_\_\_ U.S. and European pilots are now trained to follow Traffic Collision Avoidance System (TCAS) instructions even if they conflict with instructions from an air traffic controller.

\_\_\_T\_\_ Redundancy and self-checking are often present in safety-critical systems.

\_\_\_T\_\_\_ A feature of high reliability organizations is loose structure.

**Chapter 9**

\_\_\_\_T\_\_ Software designers should include users in the design stages.

\_\_\_\_\_T\_ Professional ethics requires professionals maintain their skills.