

# Quiz1

## 一、单选题（共5题，25分）

1、How many main factors do we consider when we measure usability (5.0)

- A、 5
- B、 4
- C、 3
- D、 6

正确答案：

2、Which of the following is not included in a user model for security? (5.0)

- A、 Tells who can do what to which things
- B、 Time machine
- C、 Provides lots of implementation details
- D、 Has nouns and verbs

正确答案：

3、How to measure learnability? (5.0)

- A、 Use time
- B、 Measure the time of several log-ins
- C、 Measure the time of the last log-in
- D、 Measure the shortest time of several log-ins

正确答案：

4、How to realize accountability? (5.0)

- A、 Use a green machine and a red machine.
- B、 Provide a centralized party to determine the trust level.
- C、 Set up a certificate system and use public key cryptosystem.
- D、 Earn a lot of money.

正确答案：

5、A user questionnaire is a useful tool to determine (5.0)

- A、 Speed
- B、 Memorability

- C、 User preference
- D、 Efficiency

正确答案:

## 二、多选题（共4题，20分）

6、 Which of the following are important in realizing usable isolation? (5.0)

- A、 Divide input into safe ones and handle safe ones with bug-free software.
- B、 Use a stand-alone computer.
- C、 Cut off all the network.
- D、 Accept dangerous information from accountable sources.

正确答案:

7、 Which of the following are included in the concept of usability: (5.0)

- A、 Efficiency
- B、 Learnability
- C、 Scalability
- D、 User preference

正确答案:

8、 What is security? (5.0)

- A、 Security is about risk management.
- B、 Security is about economics.
- C、 Security is about policy and isolation.
- D、 Security is about saying OK to each security question.

正确答案:

9、 Why it is so difficult to realize security in practice? (5.0)

- A、 Bugs
- B、 It may add hassle and block progress.
- C、 Being fractal
- D、 None of the above

正确答案:

## 三、判断题（共1题，5分）

10、It is impossible to realize both usability and security in a system. (5.0)

正确答案:

## Qiz2

### 一、多选题（共6题，30分）

1、Which of the followings are tools for information gathering in SE? (5.0)

- A、 Basket
- B、 Dradis
- C、 TextEdit
- D、 Search engine

正确答案：

2、What are the pointers to master elicitation principles? (5.0)

- A、 Concept of state Too many questions can shut down the target.
- B、 Conscious/unconscious relationships Too few questions will make the target feel uncomfortable.
- C、 Perceptual filters Ask only one question at a time.
- D、 Physical conditions Express yourself ego.

正确答案：

3、What are the principles of successful pretext? (5.0)

- A、 The more research, the better.
- B、 Involve personal interests.
- C、 Eliminate dissonance.
- D、 Practice dialects or expressions.

正确答案：

4、Things which can help you to find deceit in a target include: (5.0)

- A、 Contradictions
- B、 Hesitation
- C、 Changes in behavior
- D、 Hand gestures

正确答案：

5、The NLP focuses on (5.0)

- A、 Concept of state

- B、 Conscious/unconscious relationships
- C、 Perceptual filters
- D、 Physical conditions

正确答案:

**6、 The cycle of reciprocation includes (5.0)**

- A、 Give something away.
- B、 Indebted feelings.
- C、 Information gathering.
- D、 Make your request.

正确答案:

## **二、 单选题（共 4 题， 20 分）**

**7、 What is the mother of all communication models? (5.0)**

- A、 Shannon-Weaver model
- B、 Berlo model
- C、 Phishing email
- D、 USB key

正确答案:

**8、 Which of the following is wrong as an SE to use think model? (5.0)**

- A、 Give visual thinkers some visual input before he makes decision.
- B、 Sell something to a visual thinker via a phone.
- C、 Use suitable words to an auditory thinker.
- D、 Link your feeling to the feeling of a kinesthetic thinker.

正确答案:

**9、 Which of the following is not a professional interrogation skill? (5.0)**

- A、 Information gathering
- B、 Watch for one sign.
- C、 Observe the surroundings.
- D、 Determine what is nature in the target.

正确答案:

**10、 If someone is asking your information, you should: (5.0)**

- A、 Think your information is trivial.
- B、 Give a present to him.

- C、 Be happy to provide the information.
- D、 Ask for the person's employee ID.

正确答案:

# Qiz3

## 一、单选题（共2题，20分）

1、What is the statistical threshold of significant difference in a t-test? (10.0)

- A、 0.1
- B、 0.05
- C、 0.01
- D、 0.001

正确答案：

2、All of the following are examples of selection in navigation of except (10.0)

- A、 A binary yes/no menu.
- B、 Grid menu in mobile apps.
- C、 Mega menu.
- D、 Touch screen.

正确答案：

## 二、多选题（共8题，80分）

3、Organizational changes come from which of the following aspects? (10.0)

- A、 Creative leaders
- B、 Income increase caused by usability
- C、 Customers
- D、 Certifications and standardization

正确答案：

4、Which of the phases are included in an interactive design? (10.0)

- A、 Requirement analysis
- B、 Design
- C、 Implement
- D、 Evaluation

正确答案：

5、Which of the following are the principles of direct manipulation? (10.0)

- A、 Representation of objects using meaningful metaphors.
- B、 Use physical actions to replace complex syntax.
- C、 Rapid, incremental revisable actions whose effects on the objects are visible immediately.

正确答案:

**6、 Which of the following are scenarios to use virtual reality? (10.0)**

- A、 Visit cartoon world.
- B、 To cure the fear of heights.
- C、 To cure the PTSD.
- D、 Artistic expression.

正确答案:

**7、 Which of the following are examples of speech technologies? (10.0)**

- A、 Store and replay.
- B、 Dictation.
- C、 Translation.
- D、 Personal digital assistant.

正确答案:

**8、 The opportunities of speech recognition include (10.0)**

- A、 When users have physical impairments.
- B、 When mobility is required.
- C、 When the speaker's hands are busy.
- D、 When the environments are noisy.

正确答案:

**9、 In a information search, tasks can be decomposed into: (10.0)**

- A、 Browsing.
- B、 Searching.
- C、 Navigation.
- D、 Design.

正确答案:

**10、 Which of the following are included in a five-stage framework in designing a search interface? (10.0)**

- A、 Formulation.
- B、 Action initiation.
- C、 Results review.
- D、 Refinement.

正确答案:



1. In the “ISO two-pass unilateral authentication protocol using a Cryptographic Check Function (CCF)”, what is used to provide authentication?

- A. One-way hash function
- B. Signature
- C. Symmetric encryption
- D. Private key

答案:

难易程度: 中

答案解析: 几种认证方式的 ISO 标准

知识点: Authentication-I (PPT 题目) → ISO Standardization of Authentication II (章节题目)

2. Which of the following method could be used to provide the freshness of message and liveness of principle?

- A. Timestamp
- B. Password
- C. Nonce
- D. Sequence number

答案:

难易程度: 难

答案解析: 认证实现消息新鲜性和主体活现性的技术

知识点: Authentication-I (PPT 题目) → Message Freshness and Principle Liveness, Authentication based on Timestamp, ISO Timestamp Mechanism I (章节题目)

3. Which of the following statement is correct?

- A. Timestamp-based authentication is easy to maintain.
- B. Challenge-response mechanism is used to protect the secrecy of message.
- C. Signature is the only way to realize authentication.
- D. Mutual authentication is not a direct addition of two one-directional authentications.

答案:

难易程度: 难

答案解析: 认证实现技术

知识点: Authentication-I (PPT 题目) → Authentication based on Timestamp, Challenge-Response Authentication, Authentication Mechanism II, Mutual Authentication (章节题目)

4. A two-factor authentication provides an extra layer of security, but the usability is poor.

答案:

难易程度: 易

答案解析: 双因子认证

知识点: Authentication-II (PPT 题目) → Security and Usability of TFA (章节题目)

5. Given a one-way hash function  $y=f(x)$ , it is easy to compute  $x$  knowing  $y$ .

答案:

难易程度: 易

答案解析: 哈希函数

知识点: Authentication-I (PPT 题目) → One-Way Hash Function (章节题目)

6. What deficiency categories are used to describe authentication mechanism when choosing a suitable form of password for on-line bank?

- A. Accessibility
- B. Memorability
- C. Security
- D. Cost

答案:

难易程度: 难

答案解析: 口令的可用性分析方法

知识点: Authentication-II (PPT 题目) → Quality Criteria (章节题目)

7. Which of the following are the international organizations that work exclusively on standardization?

- A. IEEE
- B. NIST
- C. ISO
- D. IEC

答案:

难易程度: 中

答案解析: 挑战-应答认证方法

知识点: Authentication-I (PPT 题目) → Standardization (章节题目)

8. Which of the following is type of biometric authentication?

- A. Voice print
- B. Facial recognition
- C. PIN code
- D. Finger prints

答案:

难易程度: 易

答案解析: 基于生物认证的常用方法

知识点: Authentication-II (PPT 题目) → Biometrics (章节题目)

9. What type of attack is the quickest if a user uses the password "orange"?

- A. Brute force
- B. Common word
- C. Dictionary attack
- D. None of above

答案:

难易程度: 中

答案解析: 可用性口令实现方法

知识点: Authentication-II (PPT 题目) → Some Real Examples (章节题目)

10. Which of the following password is the most secure?

A. As34df

B. sometimes extra student clever

C. abc123

D. d0gz&c4Ts

答案：

难易程度：中

答案解析：可用性口令实现方法

知识点：Authentication-II（PPT 题目）→ Usable and Secure Password（章节题目）

1. 【单选题】 In the Vigenere cipher, let the plaintext  $M = \text{finaltest}$ , key  $K = \text{dec}$ , what is the ciphertext  $C$ ?

- A. ompdpvhvw
- B. hmpdpvhvw
- C. imppdvhwv
- D. impdpvhvw

答案:

难易程度: 中

答案解析: 置换密码

知识点: Encryption (PPT 题目) → Polyalphabetic cipher (章节题目)

2. 【多选题】 Which of the following statements about PGP are correct?

- A. PGP employs a trusted server to verify public key certificate.
- B. The UI design of security software should consider some special principles.
- C. The usability evaluation is always difficult because of security's special properties.
- D. PGP is used to grant access to system visitors.

答案:

难易程度: 难

答案解析: PGP 的介绍及可用性分析

知识点: Encryption (PPT 题目) → Web of trust、Usability study of PGP 5.0 (章节题目)

3. 【多选题】 Which of the following statements about PGP are NOT correct?

- A. The metaphor of sign has a correct design.
- B. The information for the keys is appropriate.
- C. The key server has ambiguous definition.
- D. The key size can reveal the strength of security.

答案:

难易程度: 难

答案解析: PGP 可用性分析

知识点: Encryption (PPT 题目) → Key type analysis、Key server (章节题目)

4. 【多选题】 Which of the followings are the requirements for usable encryption?

- A. Persistent
- B. Share with anyone
- C. Positive control
- D. Visibility and audit

答案:

难易程度: 中

答案解析: 实用加密的原则

知识点: Encryption (PPT 题目) → Four principles of usable encryption (阅读材料 2)

5. 【多选题】 Privacy is the individual and organization's decision of \_\_\_\_ information is communicated to others.

- A. When
- B. Where
- C. How
- D. To what extent

答案：

难易程度：中

答案解析： 隐私的定义

知识点： Privacy-I（PPT 题目）→What is privacy（章节题目）

6. 【单选题】 Why awareness is important for CSCW?

- A. Because it is required.
- B. Because many people use it.
- C. Because CSCW supports cooperative work.
- D. Because the privacy protection is well settled in CSCW.

答案：

难易程度：易

答案解析： CSCW 中的隐私

知识点： Privacy-I（PPT 题目）→ Privacy in CSCW（章节题目）

7. 【多选题】 What should be done in providing informed consent?

- A. Authorization
- B. Disclosure
- C. Competence
- D. Minimal distraction

答案：

难易程度：中

答案解析： 知情同意

知识点： Privacy-II（PPT 题目）→ Six components（章节题目）

8. 【单选题】 Evidence to avoid the pitfall in obscuring potential information flow include:

- A. Turn on the cookies.
- B. When user logs into e-mail address, give user clear illustration.
- C. Use jargons in privacy policy.
- D. Privacy settings in windows.

答案：

难易程度：中

答案解析： 隐私设计的五个陷阱

知识点： Privacy-II（PPT 题目）→Obscuring potential information flow（章节题目）

9. 【多选题】 Which of the following is provided in 4G/5G mobile communication?

- A. IMEI
- B. IMSI

C. Location

D. SMS

答案：

难易程度：中

答案解析：实用隐私技术

知识点：Privacy-II（PPT 题目）→ Privacy assets（章节题目）

10. 【单选题】 Which of the following is not included in a P3P format?

A. Access

B. Consequence

C. Purpose

D. Algorithm description

答案：

难易程度：中

答案解析：P3P

知识点：Privacy-III（PPT 题目）→ P3P format（章节题目）