

※ 考生請注意：本試題不可使用計算機。請於答案卷(卡)作答，於本試題紙上作答者，不予計分。

1. 20%

- a) What is Phishing Attack?
- b) What are the techniques that a Phishing Attacker needs?
- c) What causes Phishing Attack easily success?
- d) What might happened next after phishing attack?
- e) How to prevent phishing attacks?

2. 20%

- a) What is buffer overflow attack?
- b) Describe the two types of buffer overflow attacks.
- c) How to prevent buffer overflow.

3. 20%

- a) Explain what a nonce is and the reason for using a nonce.
- b) Describe how a man-in-the-middle attack may be performed on a Wi-Fi network and the consequences of such an attack.
- c) Explain how a man-in-the-middle attack on a Wi-Fi network can be defeated.

4. 10%

- a) What is SQL injection in Web Security?
- b) How can the programmer to avoid the SQL injection?

5. 10%

- a) What is Botnet?
- b) Describe the architecture and transmission protocol of the three types of Botnet.

6. 10%

How are one-time password systems implemented?

7. 10%

Why an asymmetric encryption algorithm uses two keys?