

國立成功大學

112學年度碩士班招生考試試題

編 號：189、197

系 所：電腦與通信工程研究所
智慧資訊安全碩士學位學程

科 目：資訊安全概論

日 期：0206

節 次：第 1 節

備 註：不可使用計算機

※ 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. Please explain the meaning of C-I-A principles in cyber-security. (10 %)
2. Please explain the concepts of AAA used in identity and data confidentiality management. (10 %)
3. Please explain the difference between Symmetric Encryption and Asymmetric Encryption briefly. (10 %)
4. Please transform "1401162503" from cipher text to plain text by using ROT5. (10 %)
5. Please list 5 types of malware and explain their characteristics. (10 %)
6. Please explain the classic 3-2-1 rule for making the backup plan. (10 %)
7. Please briefly explain the difference between Point-to-Point VPN and Site-to-Site VPN by using figures. (10 %)
8. Please explain what is the software packer? (10 %)
9. Please explain advantages and disadvantages of obfuscation. (10 %)
10. Please explain the major encryption operation steps in Advanced Encryption Standard (AES) briefly. (10 %)