

國立中央大學通訊工程學系 104 學年度碩士在職專班入學筆試

【計算機概論】試卷

考試地點：通訊館一樓 E1-109 室

考試時間：100 分鐘

試題總分：100 分

Part I. (50%) Please choose the right answer for each question below:

1. (5%) Which of the following has the highest capacity? (1) Blu-ray disk (2) compact disk (3) digital versatile disk
2. (5%) Which of the following is not closely related to MP3? (1) MPEG (2) frequency masking (3) visual masking
3. (5%) Which of the following is the backbone of the HTTPs (1) Secure Shell Protocol (2) firewall (3) Secure Sockets Layer
4. (5%) Which of the following is not a function of the spyware? (1) publishing (2) building customer profiles (3) recording the input at the computer's keyboard
5. (5%) For the number -6 that uses base 10 representation, which of the following is the equivalent two's complement form using patterns of 8 bits (1) 11111010 (2) 00000111 (3) 10110001
6. (5%) Which of the following is not a component of an operating system? (1) scheduler (2) database system (3) window manager
7. (5%) The boot-loader is stored in (1) ROM (2) RAM (3) controller
8. (5%) Which of the following is not considered in implementing semaphores? (1) deadlock (2) critical region (3) test-and-set
9. (5%) For the seven-level OSI reference model, Transmission Control Protocol (TCP) defines the version of (1) link layer (2) network layer (3) transport layer
10. (5%) For the four-level hierarchy, a packet's final destination is compared with the forwarding table in (1) link layer (2) network layer (3) transport layer

背面尚有試題

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Part II. (50%) Please explain the following items clearly. Your score will depend on the correctness and completeness of your answers.

1. (10%) Hamming distance.
2. (10%) P2P model.
3. (10%) Scheduler of the operating system.
4. (10%) Multi-core operating systems.
5. (10%) WiFi.