

國 立 清 華 大 學 命 題 紙

九十三年學年度 資訊系統與應用研究 系(所) 乙、丙 組碩士班研究生招生考試
科目 資訊系統應用 科號 3201 3301 共 1 頁第 1 頁 *請在試卷【答案卷】內作答

1. Explain the following terms: (32%)
(a) MIPS (b) ROM (c) RAM (d) DRAM (e) SDRAM (f) Bus
(g) bytecode (h) Hub (i) Bridge (j) Router (k) Gateway (l) Packet
(m) USB (n) IEEE 1394 (o) IEEE802.11 (p) Plug and Play
2. Explain the following items including their complete names and their functions: (28%)
(a) DLL (b) XML (c) FAT (d) HTTP (e) HTTPS (f) IRC
(g) SSL
3. What are the four primary functions that an operating system performs? (5%)
4. What are Macro Viruses, Internet Worms, and Trojan Horses? (5%)
5. What are the streaming techniques and their advantages for multimedia? (5%)
6. What are RISC and CISC? (5%)
7. What is pipelining? What factors will affect its performance? (5%)
8. What is the difference between flat-file and relational database? (5%)
9. List four popular methods you can use to get digital images into a computer. (5%)
10. Why is UNIX (Linux) a very popular operating system for Internet host computers? (5%)