## 100 學年度碩士班招生入學考試試題紙

系所別:資訊工程學系碩士班 組別: 科目:計算機概論

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可攜帶計算機\*

I. Mult	tiple Choice – 單選題 (42points; 2 points/question)
	1. What is the size for 3 minutes song sampled at 44.1KHz with the bit depth of 16? (A) 2,116,800 Bytes (B) 702,600 Bytes (C) 88,200 Bytes (D) 264,600 Bytes
	2. Convert (18.375) <sub>10</sub> to its binary representation. (A) 10011.01 (B) 10100.101 (C) 10010.011 (D) 10101.011
-	3. A(n) is a collection of documents interconnected by pointers called links.  (A) FTP (B) BBS (C) Hypertext (D) Telnet
	4. Given int a[5] = {6, -8, 12, 2, -4}, i = 1. What is the value of a[a[i + 2]] - a[i]?  (A) 16 (B) 18 (C) 20 (D) none of the above
	5. The is a set of services and resources created by the system software and seen by the user.  (A) naked machine (B) Von Neumann machine (C) Turing machine (D) virtual machine
	6. The unit is used to fetch, decode, and execute instructions.  (A) I/O (B) control (C) arithmetic/logic (D) memory
100	7. The operations can alter the normal sequential flow of control.  (A) branch (B) arithmetic (C) data transfer (D) compare
	8. Convert (1001.101) <sub>2</sub> to its decimal representation. (A) 9.625 (B) 9.75 (C) 18.75 (D) 18.625
	9. The holds the address of the next instruction to be executed. (A) IR (B) PC (C) MDR (D) MAR
	10. Convert (123) <sub>10</sub> to its hexadecimal representation. (A) (123) <sub>16</sub> (B) (711) <sub>16</sub> (C) (7A) <sub>16</sub> (D) (7B) <sub>16</sub>
	11. A memory unit is organized as a 1,048 x 2,048 two dimensional array. What is the size of MAR?  (A) 21 bits (B) 22 bits (C) 23 bits (D) 24 bits
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