

大同大學 九十 學年度研究所碩士班入學考試試題

考試科目：系統程式

所別：資訊工程研究所

第 1/2 頁

註：本次考試 不可以參考自己的書籍及筆記； 不可以使用字典； 不可以使用計算器。

1. Fill out the following blanks in order on the answer sheet. (21%)

(a) The one-pass assembler that generates its object code in memory for immediate execution is called a (1). *C*

(b) When a computer is first turned on or restarted, a special type of absolute loader, called a (2), is executed.

(c) (3) uses facilities of the operating system to load and link a subroutine to the rest of the program when it is first called. *架橋*

(d) To get around the problem of having duplicate labels resulting from several macro invocations, we can use (4) in the macro. *宏*

(e) A programming language has two major components: syntax and (5).

(f) A (6) is a software tool that can be used to help in the task of compiler construction. *COM*

(g) The (7) of an identifier is the portion of the program in which the identifier can be referenced. *scope*

(h) An (8) executes a version of the source program directly, instead of translating it into machine code. *Interpreter*

(i) BNF (Backus Naur Form) is capable of defining a (9) grammar. This grammar can describe the syntax of a language if valid sentences in the language can be derived by simply replacing a nonterminal for its right-hand side. *非終端符*

(j) A table, called (10), contains mappings to the physical locations of all clusters in all files on disk storage. *TLB*

(k) One of the most important functions of the file manager is the automatic performance of (11) and (12) operations on files being read or written. *Cache*

(l) This situation is an example of (13): a set of processes each of which is permanently blocked because of resources held by the others. *deadlock*

(m) A semaphore is an integer variable that, apart from initialization, is accessed only through two standard atomic operations: (14) and (15). *wait, signal*

(n) A program causing page faults every few instructions is said to be (16). *thrashing*

(o) In UNIX, the command interpreter is called a (17), and a new process is created by the (18) system call. *fork*

(p) The (19) is a collection of low-level device drivers that serve to isolate MS-DOS from the details of the hardware. *researcher, research engineer*

(q) A collection of programs designed to create and manage databases is called a (20). *DBMS*

(r) A (21) provides each user with the illusion of running on a separate machine. *virtual machine*

provide each user with the illusion of running on a separate machine
OS illusion
output
time
OS on top of
output
1/2
2/2
3/2
4/2
5/2
6/2
7/2
8/2
9/2
10/2
11/2
12/2
13/2
14/2
15/2
16/2
17/2
18/2
19/2
20/2
21/2

