## Program Design Final-Test - 2018

## Open for the second part

Name:

Student NO.

I. Matching (10 %)  1. catch block  3. Exception handling  5. try block  7. Throw point  9. Inheritance.  10. terminate()  Helps improve a program's fault tolerance.  Encloses the code that may generate an exception.  Exception thrown when new fails.  Indicates that a function does not throw exceptions.  A form of software reuse in which new classes absorb the data and behaviors of existing classes and embellish these classes with new capabilities.  When an exception is not caught in a program, this function is called.  Location in the program at which an exception occurs.  "Catch all" handler that catches any exception.  Encloses the code that is executed when an exception is caught.	<ul> <li>r. Classes from which objects can be instantiated are called classes.</li> <li>s. Operator can be used to downcast base-class pointers safely.</li> <li>t. Operator typeid returns a reference to a(n) object.</li> <li>u involves using a base-class pointer or reference to invoke virtual functions on base-class and derived-class objects.</li> <li>v. Overridable functions are declared using keyword</li> <li>w. Casting a base-class pointer to a derived-class pointer is called (25)</li> <li>x. The three forms of inheritance are and</li> <li>y. In a(n) relationship, an object of a derived class also can be treated as an object of its base class.</li> <li>z. In a(n) relationship, a class object has one or more objects of other classes members.</li> </ul>
Class template that helps avoid memory leaks.	ANSWERS: (Using the following format in answer sheet)
II. Closing (30 %)  a. A self class is used to form dynamic data structures that can grow and shrink at execution time.	1 2 3 4 5 1 7 3 9 10
<ul> <li>b. The operator is used to dynamically allocate memory and construct an object; this operator returns a pointer to the object.</li> <li>c. A(n) is a constrained version of a linked list in</li> </ul>	1
which nodes can be inserted and deleted only from the start of the list and node values are returned in last-in, first-out order.  d. A function that does not alter a linked list, but looks at	11 12
the list to determine whether it is empty, is an example of a(n) function.  e. A queue is referred to as a(n) data structure, because the first nodes	21
removed.  f. The pointer to the next node in a linked list is referred.	25 30
as a(n)	(有 ) 不要有差力,是供為)
g. The operator is used to destroy an object and release dynamically allocated memory.	1.他在路上载了一個搭便車的美女,她忽然最倒在車上, 他不得不遜 她去警院.
h. A(n) is a constrained version of a linked list in which nodes can be inserted only at the end of the list	"此時他感受到壓力的存在。
and deleted only from the start of the list.  i. A(n) is a nonlinear, two-dimensional data	2.到了醫院,朋友醫生說美女懷孕了,恭喜他要做爸爸了. 他說孩子不是自己的。 可是美女說孩子是他的.
structure that contains nodes with two or more links.	*这樣他焦慮不安.
j. The nodes of a(n) tree contain two link members.	3.他不得不要求做 DNA 测试证明自己的清白。
k. The first node of a tree is the node.	测试接, 醫生說他是天生不孕症患者, 他是清白的 "魏後他是店童童.
I. Each link in a tree node points to a(n) or ///	
of that node.  m. A tree node that has no children is called a(n)	4.在回家的路上,他不斷想著家裡自己的三個孩子。 *他感覺到心力交瘁。
node.  n. The three common traversal algorithms for a binary tree	5.回到家裡,老婆開心的迎上去,說她又有了。 *他覺得真是生不如死。
are, and  Treating a base-class object as a(n) can cause	6.不管老婆如何解釋,他整持和老婆離了婚。
errors.  Polymorphism helps eliminatelogic.	*之後善良的他出家了.
q. If a class contains at least one pure virtual function, it is a(n) class.	7.某日他碰到醫院的老友,老友號:怎麼樣 上女那女的是想施 你吧?我一看就知道!我週不瞭解你嗎? 所以幫你處理了貌你是
a(11) class.	不育症息者!呵呵! 該請我吃額飯吧