

招生學年度	九十九	招生類別	碩士在職專班
系所班別	資訊工程學系碩士在職專班、電機工程學系碩士在職專班		
科目	計算機概論		
注意事項	本考科禁止使用掌上型計算機		

- [15%] State whether each of the following is *true* or *false* . Explain your answer.
 - Machine languages are generally machine dependent.
 - Timesharing truly runs several users simultaneously on a computer.
 - Like other high-level languages, C is generally considered to be machine independent.
- [8%] Write four different C statements that each add 1 to integer variable x .
- [17%] Regarding the problem: Sum the odd integers between 1 and 99 using a "for" statement. Assume the integer variables sum and count have been defined.
 - [10%] Draw a flowchart to compute the problem.
 - [7%] Write a statement or a set of statements to compute the problem.
- [10%] Transform the following prefix expression to infix.
$$- * A / + B C - D E F$$
- [10%] Differentiate between a client/server model and a peer-to-peer model.
- [20%]
 - [10%] What are SIMD and MINI architectures?
 - [10%] What is pipelining? What factors will affect its performance?
- [10%] What is "Internet"? What is "WWW(World Wide Web)"? What are the differences between Java and JavaScript?
- [10%] Convert the decimal number 17.6875 into its corresponding
 - [5%] binary number.
 - [5%] hexadecimal number.