

佛光人文社會學院九十一學年度碩士班甄試招生試題卷

系所別：資訊學研究所

科目：資訊概論

用紙第 1 頁共 1 頁

1. What is risk management in software development? Why do we need it? Give an example to illustrate your answer. (25%)
2. What is XML? What are the differences and similarities between XML and HTML? Nowadays, most people in the business world think that XML will make great impacts on electronic commerce, its global supply chain environment and e-marketplaces. Why? Are there obstacles in adopting XML in EC now? For those obstacles, is there any possible solution for each of them? (25%)
3. What are the major factors to be considered for outsourcing information systems? (25%)
4. Obtain an addressing formula for the element $A[i_1, i_2, \dots, i_n]$ in an array declared as $A[1..u_1, 1..u_2, \dots, 1..u_n]$. Assume a row major representation of the array with one word per element and α the address of $A[1, 1, \dots, 1]$. Give an algorithm of multiplying two N by N matrices. (25%)