

國立臺灣科技大學  
九十四學年度博士班招生考試試題

系所組別：工業管理系戊組  
科 目：管理資訊系統

Total 100 Points

1. (10 pts) Explain what the client/server and the three-tier models are.
2. (10 pts) Name and describe briefly five methods to identify if a person is who he/she claims to be?
3. (10 pts) Explain the functions of groupwares and how they can be used to support business functions.
4. (10 pts) What is the main idea of enterprise application integration? How is it different from the ERP approach?
5. (10 pts) Elaborate two approaches to integrate data from a legacy system with a web-based application.
6. (10 pts) How are Internet technologies affecting the structure and work roles of modern organizations? Will middle management wither away? Will companies consist primarily of self-directed project teams of knowledge workers?
7. (10 pts) What is the difference between the parallel, plunge, phased, and pilot forms of IS conversion? Which conversion strategy is best? Explain why.
8. (10 pts) What kinds of management problems will occur during the phase of Information Systems development? Give brief examples.
9. (10 pts) What is Information Technology Architecture? Give brief examples for each sub-category.
10. (10 pts) What is Computer Integrated Manufacturing (CIM)?

