

- A-1. There are three common implementing approaches when developing an information system, which are SDLC, prototyping, and end user computing. Please describe the basic mechanism, pros and cons, and appropriate situations for each approach. Also, for each approach, please explain the necessary tasks, participants, and documents for every specific phase. (15%)
- A-2. E-Commerce (EC) applications have been expanded rapidly since the early 1990s. Please construct a conceptual framework for EC which may include the content of the field of EC and the relationship among its major components (e.g., the major applications, the major support categories, and its infrastructure). (15%)
- A-3. Suppose that you have been working as a CIO in a wholesale company which has six stores located in Taipei, Taoyuan, Hsinchu, Taichung, Tainan, and Kaushong, respectively. Since the major competitor of your company has claimed to build a data warehouse in order to gain a better level of customer service, your vice president asks you to access the necessity and feasibility for having your own data warehouse.
- (1). Please describe the concept and architecture of the data warehouse and prepare a proposal to show how to implement the project. (10%)
 - (2). Some feasible studies ought to be performed, please describe them. Among them, how do you evaluate the project from the economical perspective, especially by some cost-effectiveness analysis approaches? (10%).

(背面仍有題目,請繼續作答)

