

- (1) Explain the following terminology accordingly. (10%)
  - a. P.O.S. (2%)
  - b. V.A.N. (2%)
  - c. E.R.P. (2%)
  - d. D.S.S. (2%)
  - e. E.O.S. (2%)
- (2) From the point of physical flow and information flow, please draw a figure to demonstrate how to integrate internal operation of a corporation with its customers and suppliers. (15%)
- (3) What is the structure of e-Business (hint: major components of e-Business and their relationship)? (15%)
- (4) Please differentiate the role of Chief Information Officer (CIO) and Chief Knowledge Officer (CKO). (10%)
- (5) Describe the use of models in the disciplines of: accounting, finance, marketing, human resource management, and production?(15%)
- (6) List at least four tools(or methods) commonly used in structured systems analysis and design?(5%) Explain their contributions to software productivity.(10%)
- (7) What are the advantages and the problems of the Web-based information systems?(10%)
- (8) Explain the following terms.
  - a) Two-phase Commit(4%)
  - b) Referential Integrity(3%)
  - c) Concatenated Key(3%)