1. Multiple Choice (10x2 = 20). For each question, write only the choice number in your answer sheet.

a. Projections and responses to queries are information output characteristics associated with a(n):
   I. DSS    II. MIS    III. ESS    IV. TPS

b. Based on the behavioral definition of an organization, each of the following is a true statement except:
   I. people who work in organizations develop customary ways of working.
   II. people gain attachments to existing relationships.
   III. people make arrangements with subordinates and superiors about how work will be done.
   IV. the primary production factors are capital and labor.

c. A semi-structured decision made at the management level would be:
   I. accounts receivable.    II. electronic scheduling.
   III. budget preparation.   IV. product design.

d. Which of the following focuses on specific functions that can be found in many different industries?
   I. branded exchange   II. local exchange
   III. horizontal exchange   IV. vertical exchange

e. A person-to-person payment system:

   I. supports electronic payment for online and physical store purchases of goods or services after the purchase has taken place.
   II. sends money using the Web to individuals who are not set up to accept credit card payments.
   III. refers to digital currency that can be used for micropayments.
   IV. provides secure services for credit card payments on the Internet.
f. Each of the following is a true statement about network computing except:

   I. if managed properly, both network computers and client/server computing can reduce the total cost of ownership of information technology resources.
   II. network computers can reduce the total cost of ownership because they are less expensive to purchase than PCs.
   III. network computers could increase management control over the organization's computing function.
   IV. centralizing control of computing should improve worker initiative and creativity.


g. Companies providing software that can be rented by other companies over the Web or a private network best describes:

   I. Internet service providers.
   II. access service providers.
   III. outsourcing companies.
   IV. application service providers.

h. A hybrid object-relational DBMS can be accomplished using:

   I. tools that offer object-oriented access to relational DBMS.
   II. object-oriented extensions to existing relational DBMS.
   III. a hybrid object-relational database management system.
   IV. any of the above.

i. A set of rules and procedures that govern transmission between the components of a network defines:

   I. transmission architecture.
   II. transmission topology.
   III. protocol.
   IV. connectivity.

j. Which of the following is a private, multipath, data-only, third-party-managed network that multiple organizations use on a subscription basis?

   I. ring network
   II. private branch exchange
   III. value-added network
   IV. wide area network

2. (1+2+3+4 = 10)

a. To which project team do you belong (1/2/3)?

b. What is the name of information system project you are working on in this course?

c. Name the person who would be responsible for organizing peer reviews in your project.

d. What is the difference between a Defect and a Non-conformance (NC) in the context of an information system project development?
Mid-Semester Examination --February 2003.  
Course Id: 17632 Information Systems and 406030 Information Systems Design

3. (2+6+2 = 10)
   a. How do enterprise systems change the way an organization works?
   b. What are the benefits and challenges of implementing enterprise systems?
   c. What are industrial networks? Define and describe the two types of industrial networks.

4. (2+3+5 = 10)
   a. Why is there a considerable organizational resistance to the introduction of information systems?
   b. What specific managerial roles can information systems support?
   c. Explain with a diagram how different kinds of information systems at the various organization levels support different types of decisions.

5. (4+2+4 = 10)
   a. Describe six Internet business models for electronic commerce.
   b. Name and describe with examples the various categories of electronic commerce.
   c. What are the principal electronic payment systems used on the internet?

6. (3+3+4)
   a. Describe three issues in managing software assets in an organization.
   b. What are the new database trends that make better use of information in an organization?
   c. Name and describe the telecommunication applications that can support e-commerce and e-business.