(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 1308   **Roll No.**

B. Tech.

(SEM. V) ODD SEMESTER THEORY
EXAMINATION 2010-11
INFORMATION SYSTEMS

Time : 3 Hours   *Total Marks : 100*

Note :—Attempt **all** questions.

1. Answer any **two** parts :—   **(10×2=20)**

    (a) What is the importance of an information system for a business organization ? Explain. Describe various components of information system with suitable example.

    (b) (i) What is the difference between the data and information ? Explain with example. Also give various information quality attributes.

        (ii) What do you mean by the effectiveness and efficiency of an information system ? Explain with example.

    (c) Why there are so many conceptual classification of information system ? Why they are typically integrated in the information systems found in the real world ? Explain with suitable example.

2. Answer any **two** parts :—   **(10×2=20)**

    (a) (i) What do you mean by feasibility study ? Discuss it in detail.

(ii) What are the various symbols used to make a data flow diagram ? Make a data flow diagram to issue a book from your library.

(b) (i) Write short note on any one CASE tool.

(ii) Why the understanding of information requirement is essential in order to design an effective information system ? Discuss various activities in order to understand the information requirements with some example.

(c) Write short notes on the following :—

(i) Input/output design.

(ii) Decision Support System.

Answer any **two** parts :— (10×2=20)

(a) (i) Do you think that network computers will replace the personal computers in business application ? Discuss with some example.

(ii) What do you mean by the operation and maintenance of an information system ? Discuss the problems that you encounter during the operation and maintenance of information system.

(b) (i) What major trends are occurring in software ? What capabilities do you expect in future software packages ? Explain.

(ii) What do you understand by automated system development ? Discuss.

(c) How Internet technologies are affecting the structure and work role of modern organizations ? Discuss with some real-life example.

Answer any **two** parts :—   **(10×2=20)**

(a) What do you mean by the term E-business ? Explain with a suitable example. Compare E-organization model of internet-worked E-business enterprises to Pre-E-organization model used by various companies.

(b) What are the major concerns about computer crime and privacy on the Internet ? How they are dealt with ? Explain with a suitable example.

(c) Write short notes on the following with example :—

    (i)   Phased system conversion

    (ii) Client server systems

    (iii) Ethical issues in IS development

    (iv) LAN.

Answer any **two** parts :—   **(10×2=20)**

(a) How the Internet, intranet, extranet and the World Wide Web affected the types and usage of data resources available to business end users ? Discuss with an example.

(b) Discuss the enterprise resource planning system in detail. Why ERP is important in today's business environment ?

(c) Discuss the supply chain management system in detail. How does it affect the business ?