

Printed Pages—3

TIT502

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

PAPER ID : 1308

Roll No.

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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 :—
- Phased system conversion
 - Client server systems
 - Ethical issues in IS development
 - 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 ?