Srinivas Institute of Technology
ENGG. & TECHNOLOGY

NEW SCHEME

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Sixth Semester B.E. Degree Examination, July/August 2005

Information Science and Engineering

Management Information Systems

Time: 3 hrs.] [Max.Marks : 100

Note: *Answer any FIVE full questions.*

1. (a) Explain the various components of an information system. (6 Marks)
   (b) Explain with a block diagram system development life cycle. (9 Marks)
   (c) Explain the term prototyping and computer aided system engineering. (5 Marks)
2. (a) Explain roles of an information system and its activities. (10 Marks)
   (b) Discuss various types of information system. (10 Marks)
3. (a) Explain internet, intranet and extranet and their uses. (12 Marks)
   (b) Define E-commerce and explain its categories. (8 Marks)
4. (a) What do you mean by transaction process in systems? (7 Marks)
   (b) Explain the term group ware and discuss various e-conferencing tools. (7 Marks)
   (c) Describe the salient features of accounting information system. (6 Marks)
5. (a) Discuss, DSS and executive information system. (10 Marks)
   (b) Explain various cognitive science application of AI. (10 Marks)
6. (a) Describe various competitive strategies. (7 Marks)
   (b) Discuss about knowledge management system. (7 Marks)
   (c) Define the terms BPR and TQM. (6 Marks)
7. (a) Explain various IS planning methodologies. (10 Marks)
   (b) Explain the components of an organisation managing process. (10 Marks)
8. (a) Explain the steps involved in implementing a new IS. (10 Marks)
   (b) Explain various control measures in the IS. (10 Marks)

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NEW SCHEME

Sixth Semester B.E. Degree Examination, July 2006
Information Science
Management Information Systems

Time: 3 hrs.] [Max. Marks:100

Note: *1. Answer any FIVE full questions.*

1 a. Explain the business value of information systems. **(05 Marks)**
b. What are the important components of an information system? **(05 Marks)**
c. Explain "Developing of Information System Solutions" in business. **(10 Marks)**

2 a. Discuss the statement: 'Prototyping has opened up the application development process to end users'. **(05 Marks)**
b. Explain the statement: 'Computer-aided systems engineering involves using CASE Tools to perform activities of system development life cycle'. **(05 Marks)**
c. Explain the classification of information systems. **(10 Marks)**

3 a. Explain the business value of Internet. **(05 Marks)**
b. Differentiate between Intranet and Extranet. **(05 Marks)**
c. Explain B-2-C and B-2-B categories of E-Commerce. **(10 Marks)**

4 a. Explain the statement: 'Transaction Processing Systems are information systems that process data resulting from the occurrence of business transactions'. **(10 Marks)**
b. Explain the statement: 'Many organizations are using information technology to develop cross-functional information systems that cross the boundaries of traditional business functions in order to reengineer and improve vital business processes'. **(10 Marks)**

5 a. Explain the capabilities of DSS. **(06 Marks)**
b. Discuss the important applications of AI in business. **(08 Marks)**
c. Explain the use of executive information systems for the ranks of middle management. **(06 Marks)**

6 a. Explain the strategic role of information technology in business process reengineering and in total quality management. **(10 Marks)**
b. Describe the working of accounting information system with the help of a neat sketch. **(05 Marks)**
c. Explain 'Virtual Company'. **(05 Marks)**

7 a. Explain the planning techniques used for IS planning, with specific emphasis on scenario approach, critical success factors and competitive advantage. **(12 Marks)**
b. Explain 'Engineering business change with IT'. **(08 Marks)**

8 a. Describe the components of global IT management. **(10 Marks)**
b. Explain control and security aspects of Information systems. **(10 Marks)**

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NEW SCHEME

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Sixth Semester B.E. Degree Examination, July 2007
Information Science and Engineering
Management Information Systems

Time: 3 hrs.] [Max. Marks:100

Note : ***Answer any FIVE full questions.***

1 a. Explain the frame work of information system required for business. **(10 Marks)**
b. How do you classify information system? **(10 Marks)**

2 a. With suitable example describe the system approach to problem solving. **(10 Marks)**
b. What is CASE? Explain various components of CASE. **(10 Marks)**

3 a. i) What is the business value of the internet? **(05 Marks)**
ii) Explain the process involved in prototyping. **(05 Marks)**
b. What is interactive marketing? Explain push and pull marketing. Illustrate with an example. **(10 Marks)**

4 a. What is E-commerce? What are its applications? What is B2C commerce? **(10 Marks)**
b. What is Internet, Intranet and Extranet? Give its applications. **(10 Marks)**

5 a. What is groupware? Explain with block diagram, Enterprise Collaboration System. **(10 Marks)**

b. Write salient features of
i) Accounting system
ii) Marketing information system. **(10 Marks)**

6 a. i) Explain cross functional information system. **(05 Marks)**
ii) Compare interactive marketing to mass marketing and direct marketing. **(05 Marks)**
b. Briefly explain how IT can be used to implement competitive strategies. **(10 Marks)**

7 a. Compare DSS and MIS. **(10 Marks)**
b. Explain briefly the artificial intelligence and neural network applications in business. **(10 Marks)**

8 a. Explain global IT management. **(10 Marks)**
b. What controls are needed in information system? **(10 Marks)**

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Sixth Semester B.E. Degree Examination, Dec. 07 / Jan. 08
Management Information Systems

Time: 3 hrs. Max. Marks:100

Note : *1. Answer any FIVE full questions.*
2. Answers are to be supported with necessary diagram if applicable.

1 a. Why are information systems important? Outline a conceptual framework that organizes knowledge. **(10 Marks)**

b. What is a system? Explain the basic and additional components in a system. List out some of the characteristics of systems. **(10 Marks)**

2 a. Draw a block diagram and explain the different resources that form an information system. **(10 Marks)**

b. Discuss the different ways in which information systems can be classified. **(10 Marks)**

3 a. Differentiate between push and pull marketing with illustrations. **(06 Marks)**

b. What is E – Commerce? List out the different factors that make a successful retail website. **(08 Marks)**

c. Explain intranets, extranets and Internet with a figure. **(06 Marks)**

4 a. Explain E – Communication and E – conferencing tools with 2 examples each. **(10 Marks)**

b. Explain how information system technologies support marketing. **(10 Marks)**

5 a. Discuss information requirement by decision makers using the managerial pyramid. **(06 Marks)**

b. List out the attributes of intelligent behavior. Explain two business examples where neural networks have been applied. **(06 Marks)**

c. What is an expert system? What are the components that make up and expert system? List out the benefits and limitations of expert systems. **(08 Marks)**

6 a. Explain BPR and TQM as strategies for improving performance. **(10 Marks)**

b. Organization can be viewed as a sociotechnical system. Explain the different components that make up this system. **(10 Marks)**

7 a. Describe the frame work used for information resource management. **(10 Marks)**

b. Explain the various methodologies of planning Information System **(10 Marks)**

8 a. Discuss the different activities involved in implementing a new information system. **(10 Marks)**

b. Information System Controls ensure quality and performance of Information System. Explain. **(10 Marks)**

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Sixth Semester B.E. Degree Examination, June-July 2009
Information Systems

Time: 3 hrs. Max. Marks:100

Note: ***Answer any FIVE full questions, selecting at least TWO questions from each part.***

PART – A

1 a. Define Information System and information technology. **(06 Marks)**
b. Describe in detail the IS framework for business professional. **(06 Marks)**
c. Explain in detail the types of information systems. **(08 Marks)**

2 a. How customer focused business builds a customer value and loyalty using internet technology? Explain. **(10 Marks)**
b. What is the role of IT in reengineering most business processes? Explain it with an example. **(04 Marks)**
c. What is knowledge management system? How it is viewed? **(06 Marks)**

3 a. Define e-business. Explain with a neat sketch the transaction processing cycle in detail. **(10 Marks)**
b. Explain the accounting information system with an example. **(10 Marks)**

4 a. Define CRM. Explain the major application clusters in CRM. **(12 Marks)**
b. Define ERP. Explain the major application components of ERP system in manufacturing company. **(08 Marks)**

PART – B

5 a. With a neat diagram explain the essential e-Commerce process architecture in detail. **(12 Marks)**
b. What are the key factors for success in e-Commerce in detail? **(08 Marks)**

6 a. Define MIS. Explain the four major reporting alternatives provided by the MIS. **(08 Marks)**
b. Define DSS with an example. **(04 Marks)**
c. Using DSS. Explain the 4 basic types of analytical modeling activities. **(08 Marks)**

7 a. List out the ethical guidelines provided by AITP standards for professional conduct. **(08 Marks)**
b. What are the other security measures that are commonly used to protect business system and networks? Explain in detail. **(10 Marks)**
c. Define computer virus and worms. **(02 Marks)**

8 a. What are the major dimensions of global e-Business technology management? Explain with a neat diagram. **(12 Marks)**
b. What are the major components of information technology architecture? Explain them. **(05 Marks)**
c. What are the reasons for IT failure in management? **(03 Marks)**

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06IS65

Sixth Semester B.E. Degree Examination, Dec.09/Jan.10
Information Systems

Time: 3 hrs. Max. Marks:100

Note: ***Answer any FIVE full questions, selecting at least TWO questions from each part.***

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and/or equations written eg, 42+8=50, will be treated as malpractice.

1 a. What is an information system? Explain different types of information systems in detail. **(12 Marks)**

b. With a neat diagram, explain the fundamental roles of IS in business. **(08 Marks)**

2 a. Explain different strategic uses of information systems/information technology. **(10 Marks)**

b. What is an agile company? How do you create virtual company? Explain. **(10 Marks)**

3 a. With a neat diagram, explain enterprise application architecture. Also explain enterprise application integration. **(12 Marks)**

b. With respect to functional business systems, explain the role of internet as a major force for change in human resource management. Use appropriate diagram. **(08 Marks)**

4 a. What is CRM? With a neat diagram explain the three phases of CRM. **(10 Marks)**

b. What is ERP? Explain benefits and challenges of ERP. **(10 Marks)**

Part – B

5 a. Explain different categories of e-commerce. **(10 Marks)**

b. List and explain different e-commerce success factors. **(10 Marks)**

6 a. With a neat diagram, explain levels of management decision making and types of information required. **(10 Marks)**

b. Write short notes on:
   i) Online analytical processing OLAP.
   ii) Data mining for decision support. **(10 Marks)**

7 a. Explain different ethical responsibilities of business professionals. **(10 Marks)**

b. Write a note on:
   i) Cyber theft.
   ii) Internet abuses in the work place. **(10 Marks)**

8 a. "Business as usual" is not good enough in global business operation with respect to global e-business technology management. With a neat diagram, explain different challenges faced. **(12 Marks)**

b. Write a note on:
   i) Global data access issue.
   ii) Internet access issues. **(08 Marks)**

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Sixth Semester B.E. Degree Examination, May/June 2010
Information Systems

Time: 3 hrs. Max. Marks:100

Note: ***Answer any FIVE full questions, selecting at least TWO questions from each part.***

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

PART – A

1 a. What is an information system? What are the classifications of information systems? Explain. **(10 Marks)**

b. Explain the different modules in a systematic development process for developing information system solutions. **(10 Marks)**

2 a. Explain with a neat figure, the business competitive strategies and competitive forces that appear in the market place. **(10 Marks)**

b. How customer focused business builds a customer value and loyalty using internet technology? Explain. **(10 Marks)**

3 a. With the help of a neat figure, explain the enterprise application architecture illustrating the major cross functional enterprise applications and their interrelationships. **(10 Marks)**

b. Explain the case study of introduction of On Q system at Hilton Hotels corporation – data driven hospitality. **(10 Marks)**

4 a. What is CRM? Explain the three phases of CRM. **(08 Marks)**

b. What is ERP? What are the benefits and challenges of ERP? **(06 Marks)**

c. What is SCM? What are the objectives of SCM? **(06 Marks)**

PART – B

5 a. Explain the key factors for success in E-commerce. **(14 Marks)**

b. Differentiate between B2C E-commerce and B2B E-commerce. **(06 Marks)**

6 a. What is DSS? With a neat block diagram, explain the web-enabled marketing DSS. **(10 Marks)**

b. What are the four basic types of analytical modeling activities used in DSS? Explain each with an example. **(10 Marks)**

7 a. Briefly explain the most important technology ethics, software piracy and issues. **(10 Marks)**

b. Explain the important security measures adopted in several companies in today's networked business enterprises. **(10 Marks)**

8 a. With a neat block diagram, explain the three major components of information technology management. **(08 Marks)**

b. Write short notes on:
   i) Global IT management
   ii) Global business / IT strategies and applications
   iii) Global data access issues. **(12 Marks)**

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