NEW SCHEME

MCA21

Srinivas Institute of Technology

USN | | | | | | | | | |

Second Semester M.C.A Degree Examination, July/August 2005
Master of Computer Applications
Management Information System

Time: 3 hrs.]

[Max.Marks : 100

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

1. (a) Define data and information with examples. **(4 Marks)**

   (b) Explain the different techniques used in information presentation and also discuss the attributes of quality of information. **(12 Marks)**

   (c) Calculate the amount of redundancy in a communication system with the capacity of transmitting one of 64 messages but the total messages are only 16. **(4 Marks)**

2. (a) Explain the different types of systems with examples. **(6 Marks)**

   (b) What is simplification? Discuss two techniques of simplification. **(8 Marks)**

   (c) With the help of a flow-chart, explain the phases in decision making process. **(6 Marks)**

3. (a) Explain the basic model of an organization. **(6 Marks)**

   (b) With a flow-chart, explain how management acts as a control system. **(8 Marks)**

   (c) Explain the different types of strategies used in strategic management. **(6 Marks)**

4. (a) With a block diagram, explain how an MIS is developed using prototype approach. **(8 Marks)**

   (b) Give the general model of a human as information processor. **(6 Marks)**

   (c) Discuss three evaluation techniques used in choice of information technology. **(6 Marks)**

5. (a) Give the architecture and explain ERP systems. **(8 Marks)**

   (b) Explain the role of AI in DSS and discuss the components of an AI system. **(8 Marks)**

   (c) Distinguish between EMS and ERP. **(4 Marks)**

6. (a) What is CASE? Explain the components of CASE. **(6 Marks)**

   (b) With suitable examples explain PERT & ABC analysis. **(8 Marks)**

   (c) Explain the concept of RDBMS. **(6 Marks)**

7. (a) Write down client-server architecture and explain. **(8 Marks)**

   (b) Give the business process model of an organization and explain its importance in MIS. **(8 Marks)**

   (c) What are TQM of information systems. **(4 Marks)**

8. Write short notes on :

   (a) Programmed v/s Non-programmed decisions

   (b) Value of information in decision making

   (c) Decision support systems

   (d) Transaction processing system.   (5 × 4=20 Marks)

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NEW SCHEME

MCA21

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Second Semester M.C.A Degree Examination, January/February 2005
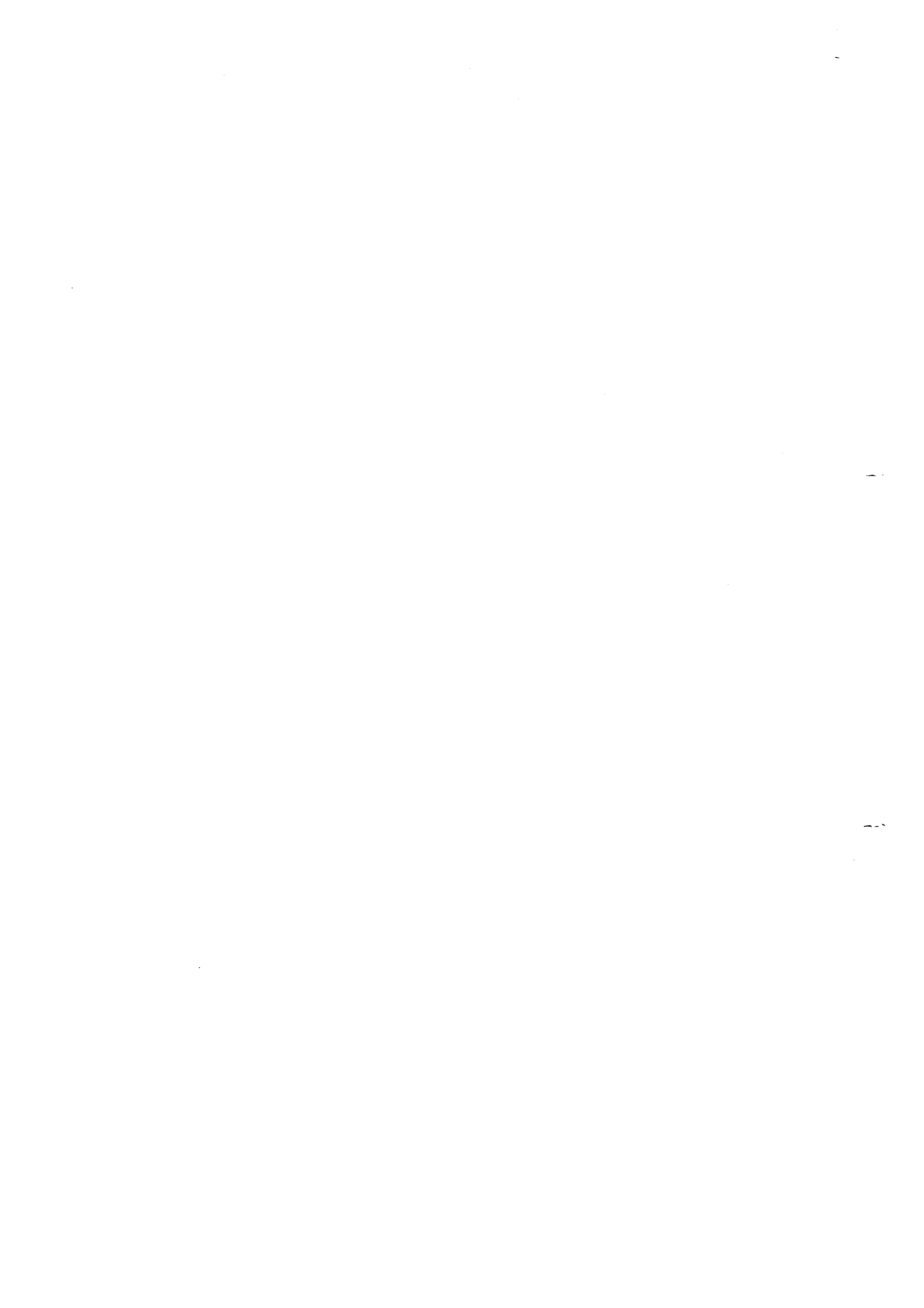## Master of Computer Applications
Management Information Systems

Time: 3 hrs.]

[Max.Marks : 100

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

1. (a) Define MIS. Explain the physical and conceptual view of MIS. **(10 Marks)**
   (b) Explain clearly the management as a ccontrol system with its features. **(10 Marks)**

2. (a) Discuss the basic principles on which the organisation structure is built. **(10 Marks)**
   (b) Describe the factors considered in organisational behaviour. **(10 Marks)**

3. (a) Defining planning. Explain the methodology of planning. **(10 Marks)**
   (b) What is a rational decision? Explain Herbert Simon model for decision making. **(10 Marks)**

4. (a) What is a system? Discuss the general model of a system. **(6 Marks)**
   (b) Define information. Explain the attributes of information. **(10 Marks)**
   (c) Describe clustering of subsystems. **(4 Marks)**

5. (a) What is technology decision? Which are the factors that influence the technological decision? **(10 Marks)**
   (b) Describe the various factors contributing to the success of MIS. **(10 Marks)**

6. (a) Explain the concept of decision support system with neat diagram and also explain expert system. **(12 Marks)**
   (b) Briefly explain TQM of information system. **(8 Marks)**

7. (a) How database strengthen the foundation of MIS? **(6 Marks)**
   (b) Explain client server three-tier-model with neat diagram. **(8 Marks)**
   (c) Describe the following terms in the definition of business process re-engineering
       i) Radical redesign **(6 Marks)**
       ii) Fundamental rethinking.

8. (a) What is data ware housing? Explain the need for data ware house in modern business. **(10 Marks)**
   (b) What are the characteristics of e-business? Describe the techniques which enable the e-business. **(10 Marks)**

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07MCA24

Second Semester MCA Degree Examination, June/July 08
Management Information Systems

Time: 3 hrs.

Max. Marks:100

Note : *Answer any FIVE full questions.*

1 a. With a neat diagram, explain the generalized model of the system in an environment.
   (10 Marks)
   b. What is a system? Explain different types of systems. (10 Marks)

2 a. In detail explain the attributes of the information system. (15 Marks)
   b. Explain general model of a human as information processor. (05 Marks)

3 a. Define management information system. Identify the nature of impact of MIS on people, organization and management style of functioning. (10 Marks)
   b. Explain different types of planning with an example. (10 Marks)

4 a. Explain the different types of information classes. (08 Marks)
   b. Explain prototyping and life cycle approaches in management information systems with a neat diagram. (12 Marks)

5 a. Explain System Development Life Cycle (SDLC). (10 Marks)
   b. Explain the approaches to select re-engineering opportunities in business reengineering processes BPR. (10 Marks)

6 a. Explain : Data processing, Transaction processing and application processing in information systems. (08 Marks)
   b. Explain the activities involved in software quality assurance to ensure the quality. (12 Marks)

7 a. Explain the different types of DSS (Decision Support Systems). (10 Marks)
   b. Explain supply chain management with an example. (10 Marks)

8 a. Explain the implementation procedure for client server architecture. (12 Marks)
   b. Explain : E-business, Intranet and World Wide Web. (08 Marks)

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NEW SCHEME

Second Semester M.C.A. Degree Examination, July 2007
Management Information System

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

Note : Answer any FIVE full questions.

1 a. Define Management Information System. Explain the nature of impact of MIS on organization. **(10 Marks)**
   b. Explain in detail the external environment in which the manager of an organization operates. **(10 Marks)**

2 a. Define Management. Explain the various principles of operational management. **(10 Marks)**
   b. What is planning? Explain the Methodology of planning. **(10 Marks)**

3 a. Explain briefly modifications to the basic model of organization. **(10 Marks)**
   b. Explain organization as a system. **(06 Marks)**
   c. Define strategy. List the various types of strategy. **(04 Marks)**

4 a. What is rational decision making? Explain. **(06 Marks)**
   b. Draw and explain Herbert Simon model of decision making. **(06 Marks)**
   c. Explain any two methods for deciding decision alternatives. **(08 Marks)**

5 a. Explain the attributes of Information. **(05 Marks)**
   b. Define system. Explain different types of system with examples. **(05 Marks)**
   c. Explain the idea of clustering of business systems. Illustrate it with example of Materials Management System. **(10 Marks)**

6 a. Explain i) Prototype approach ii) Life cycle approach in developing and implementing MIS. Also compare these two approaches. **(10 Marks)**
   b. Explain the components of Enterprise Management System. **(05 Marks)**
   c. Explain the concept of RDBMS. **(05 Marks)**

7 a. Explain briefly the TQM of information system. **(05 Marks)**
   b. Briefly explain Client – Server Implementation Strategies. **(07 Marks)**
   c. What is Business Process Re – engineering (BPR)? What is the role of IT in BPR? **(08 Marks)**

8 Write short notes on:
   a. E – Business. **(05 Marks)**
   b. Data Warehouse **(05 Marks)**
   c. ERP **(05 Marks)**
   d. DSS **(05 Marks)**

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07MCA24

Second Semester M.C.A. Degree Examination, June-July 2009
Management Information System

Time: 3 hrs.

Max. Marks:100

Note: *Answer any FIVE full questions.*

1 a. What is system? Mention the types of systems with examples. **(10 Marks)**
  b. What are procedures adopted by the System Analyst while analyzing the existing system? **(10 Marks)**

2 a. Draw the conceptual model of Communication and explain in brief. **(05 Marks)**
  b. Name the attributes of information and explain them. **(10 Marks)**
  c. What are the classifications of information? **(05 Marks)**

3 a. Explain with respect to MIS: Definition; Role; Impact of MIS. **(10 Marks)**
  b. Explain with figure Management as a control system. **(10 Marks)**

4 a. What are the Essentialities of Strategic planning? **(10 Marks)**
  b. Name and explain the types of strategies. **(10 Marks)**

5 a. Compare the Prototyping Approach to life cycle approach. **(10 Marks)**
  b. Give the features contributing to success and failure of MIS. **(10 Marks)**

6 a. What is BPR? Why it is required? Who needs it and who does not? **(10 Marks)**
  b. What is the Role of IT in BPR? What are the steps involved to build process organization. **(10 Marks)**

7 a. Explain TQM of information system. **(10 Marks)**
  b. Explain case tools. **(10 Marks)**

8 a. Explain with figure Herbert Simon model of Decision making process. **(07 Marks)**
  b. What are the models of E-Business? Explain with examples. **(07 Marks)**
  c. Name the Hardware and Software of Internet. **(06 Marks)**

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Second Semester MCA Degree Examination, Dec.09-Jan.10
Management Information System

Time: 3 hrs.   Max. Marks:100

Note: *Answer any FIVE full questions.*

1 a. Define MIS. Explain the conceptual view of an MIS.   (10 Marks)
   b. Explain the model of the organization system.   (10 Marks)

2 a. Explain the conceptual model of communication with neat diagram. Also give the attributes of information.   (10 Marks)
   b. What is system? Explain briefly the generalized model of a system with a neat diagram.   (05 Marks)
   c. Explain the different types of system.   (05 Marks)

3 a. Explain in brief the dimensions of planning.   (08 Marks)
   b. Explain different types of strategies.   (08 Marks)
   c. List and explain the advantages of short range planning.   (04 Marks)

4 a. Explain the prototype approach in developing and implementing MIS.   (10 Marks)
   b. Describe the different methods of determining the information requirements. (10 Marks)

5 a. What is SWOT analysis? Explain the organizational planning process with neat block diagram.   (10 Marks)
   b. List and explain the hardware and software evaluation factors.   (10 Marks)

6 a. Explain briefly the TQM of information system.   (08 Marks)
   b. Define Decision Support System. What are the various tools used by decision support system? Explain any one in detail.   (12 Marks)

7 a. Explain the three phases of CRM.   (06 Marks)
   b. Explain the client – server – architecture with neat diagram.   (06 Marks)
   c. Explain the following with the help of example : i) Internet ii) Intranet. (08 Marks)

8 Write short notes on the following :
   a. SDLC.
   b. Business process Re – engineering.
   c. Supply chain management.
   d. Application processing.   (20 Marks)

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07MCA24

Second Semester MCA Degree Examination, May/June 2010
Management Information Systems

Time: 3 hrs.

Max. Marks:100

Note: *Answer any FIVE full questions.*

1   a. What is a system? Define MIS. Explain different types of system.   (10 Marks)
    b. Can you state goal, objectives and targets which you have set for career management? What is the qualitative difference between them?   (10 Marks)

2   a. What are the different types of strategy? Can a business have more than one strategy? How are different strategies related to each other?   (10 Marks)
    b. Explain in detail professional ethics and impact of it on privacy.   (10 Marks)

3   a. Explain how to perform decision analysis by using analytical modeling.   (10 Marks)
    b. What are the parameters impacting quality? Explain.   (10 Marks)

4   a. What are the guidelines for the systems designer for successful implementation of the MIS?   (10 Marks)
    b. Compare and contrast prototyping approach and life cycle approach.   (10 Marks)

5   a. Discuss in detail the value stream model of the organization.   (10 Marks)
    b. Explain in detail the TQM of information system.   (10 Marks)

6   a. Write in detail about evaluation and feasibility of IT solutions.   (10 Marks)
    b. Discuss briefly about client – server architecture.   (10 Marks)

7   a. What is the impact of web on strategic management? Discuss.   (10 Marks)
    b. Explain supply chain management, with an example.   (10 Marks)

8   Write short notes on the following :
    a. System development life cycle.
    b. ERP.
    c. Decision support systems.
    d. Intranet and world wide web.   (20 Marks)

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