ANDHRA UNIVERSSITY

SCHOOL OF DISTANCE EDUCATION

ASSIGNMENT QUESTION PAPER

MCA (Third Year)

INFORMATION SYSTEMS CONTROL AND AUDIT

ASSIGNMENT-1

Marks 20

Answer All questions. All question carry equal marks.

1. What is meant by noise on communication line? Explain.
2. Discuss in detail about foundation of information System auditing.
3. Discuss in detail about the functional capabilities of utility software.
4. What is meant by encryption and decryption? Describe the advantages and disadvantages of any two crypto systems that are popular.
5. What characteristics of computer systems after lead to high costs being incurred because of computer system error? Discuss.

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ASSIGNMENT QUESTION PAPER

MCA (Third Year)

INFORMATION SYSTEMS CONTROL AND AUDIT

ASSIGNMENT-2

Marks 20

Answer All questions. All question carry equal marks.

1. What are the guidelines used for source document design? Discuss with examples.
2. Explain different phases of system development process and the objectives of each phase.
3. With examples, explain boundary controls and database controls.
4. Explain why encryption is useful as a means of protecting data passing over private communication lines.
5. Discuss in detail about communication controls and processing controls.

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ASSIGNMENT QUESTION PAPER

MCA (Third Year)

NETWORK SECURITY

ASSIGNMENT-1

Marks 20

Answer All questions. All question carry equal marks.

1. Explain about key distribution in detail.
2. Illustrate SHA algorithm with a neat diagram.
3. How many types of key distribution methods are there?
4. Explain about services offered by PGP?
5. Explain the services provided by MD5 algorithm.

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ASSIGNMENT QUESTION PAPER

MCA (Third Year)

NETWORK SECURITY

ASSIGNMENT-2

Marks 20

Answer All questions. All question carry equal marks.

1. How many types of security mechanisms are there? Explain briefly about the mechanisms.
2. Describe different phases involved in key management?
3. How multi-level mode of security is provided?
4. Write about Message digest and Checksum?
5. Write a short note on requirements of a Hash function.

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ASSIGNMENT QUESTION PAPER

MCA (Third Year)

OBJECT ORIENTED SOFTWARE ENGINEERING

ASSIGNMENT-1

Marks 20

Answer All questions. All question carry equal marks.

1. What are the technical activities associated with object oriented software engineering? Show the relationships among these activities and Explain.
2. What are the principles of modelling? Discuss.
3. Define software architecture and describe any four different architecture that are popular.
4. Describe the system design activities that address design goals.
5. What are the activities of system testing? Explain with examples.

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ASSIGNMENT QUESTION PAPER

MCA (Third Year)

OBJECT ORIENTED SOFTWARE ENGINEERING

ASSIGNMENT-2

Marks 20

Answer All questions. All question carry equal marks.

1. Write the structure of SRS document and explain the importance of each section and sub sections.
2. Describe about project communication concepts and project organisation in detail.
3. What is meant by abstraction? Illustrate different types of abstraction method in object-oriented design.
4. Elaborate the management activities related to analysis in the content of a multi team development project.
5. How object model is useful for complex document preparation? Discuss.

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ASSIGNMENT QUESTION PAPER

MCA (Third Year)

EMBEDDED SYSTEMS

ASSIGNMENT-1

Marks 20

Answer All questions. All question carry equal marks.

1. What are the differences between micro processors and micro controllers? Discuss.
2. Explain the various schemes used for inter task communications.
3. Explain queues, mail boxes and pipes used in RTOS.
4. Explain function-queue-scheduling architecture.
5. Explain how does an embedded system respond to each interrupt.

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ASSIGNMENT QUESTION PAPER

MCA (Third Year)

EMBEDDED SYSTEMS

ASSIGNMENT-2

Marks 20

Answer All questions. All question carry equal marks.

1. Write and discuss various applications of embedded systems.
2. Differentiate between soft real time systems and real time systems with examples.
3. Draw a flow chart for a fool chain building embedded software.
4. Describe Round Robin architectures with interrupts.
5. What is data sharing in multi tasking environment? Explain with example.

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ASSIGNMENT QUESTION PAPER

MCA (Third Year)

DATA WARE HOUSING AND DATA MINING

ASSIGNMENT-1

Marks 20

Answer All questions. All question carry equal marks.

1. What are the different components of data warehouse? Explain with neat diagram.
2. Discuss about concept hierarchies.
3. Explain the functional components of Data mining Graphical user interface.
4. How to improve the efficiency of Apriori algorithm? Explain.
5. Distinguish between the partition clustering and hierarchical clustering.

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ASSIGNMENT QUESTION PAPER

MCA (Third Year)

DATA WARE HOUSING AND DATA MINING

ASSIGNMENT-2

Marks 20

Answer All questions. All question carry equal marks.

1. Discuss about different data mining primitives.
2. How to measure the interestingness of a pattern?
3. Explain various methods of loss data compression.
4. Explain about constraint-based association mining.
5. How a data mining query can be defined in terms of primitives? Explain in detail with examples.