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. Explain the importance of information systems from stragetics.
2. Discuss about management level systems.
3. Explain in detail input controls in ISC.
4. Discuss about management control with frame work.
5. Discuss the requirements for financial audit.

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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. Discuss briefly strategic level systems.
2. What do you understand by the term "community cloud"? discuss it characteristics.
3. Explain the risk management strategies.
4. Why auditors maintain system development process? Explain with an example.
5. Discuss about various database controls using in audit.

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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 virus and worms in detail.
2. Explain RSA Algorithm with an example.
3. Explain about Authentication protocol in Network Security.
4. Explain about Digital Signature Standards.
5. Explain bout various types of Kerberos versions.

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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. Discuss about various types of security attacks.
2. Discuss about Elliptic Curve Cryptography.
3. Discuss about session keys.
4. Discuss about E-mail security with neat diagram.
5. Discuss about IP Security.

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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 is software life cycle? Discuss the V-shape modelling.
2. What is static modelling? Explain different steps that are performed in contracting a static model.
3. Explain the various metrics used for software measurement.
4. Write the basis path testing in detail.
5. Discuss various activities in object reuse process.

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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. Discuss use case modelling with real life example.
2. Explain the various fundamental software design concepts.
3. What is Agility in content software engineering? With suitable diagram.
4. Write a short note on white box testing.
5. How to manage the object design with an example?

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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. Explain various types of embedded system processor and its merits and demerits.
2. Give the structure of a process control Block(PCB) and explain each block.
3. Discuss the major functions of a Hardware?
4. What is Remote Procedure Call(RPC) and explain how it is works.
5. Explain about message queues in Inter Process Communication(IPC).

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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. What is bus arbitaration? Explain the bus arbitaration schema.
2. Write short note on real time operating systems.
3. What is meant by critical section of a task? How it can be run by RTOS?
4. Explain the components of system-on-chip.
5. Explain the task synchronization techniques in IPC.

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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 is data warehouse? Explain the architecture of data warehouse.
2. What is classification? Explain the Bayesian classification with an example.
3. Write a short note on DBSCAN and outlier Analysis.
4. Explain the various temporial data types.
5. What are the major clustering methods? Explain in detail.

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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 the conceptual models for temporal data warehouse.
2. Write notes on k.nearest neighbors.
3. Differentiate between linear and multiple Regression.
4. What is data mining? What are the different kinds if data that can be mined? Discuss with example.
5. What is regression? Explain their types?