

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

(Affiliated to JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD)

Maisammaguda, Dhulapally, (Post Via kompally), Secunderabad-500 100.

IV B.Tech II sem Supplementary Examinations, APRIL - 2017**SUBJECT: Data Base Security****Branch: CSE****Time: 3 Hours****Max Marks: 75 M****Answer any FIVE of the following****5 X 15 M = 75 M**

1. a) What is database security? State and explain data base security access points with a neat diagram? [8 M]
b) State and explain categories of database security vulnerabilities briefly? [7 M].
2. a) Define access matrix? State and explain various stages in access matrix security model? [8 M]
b) State and explain Take-Grant security model briefly? [7 M].
3. a) Explain Bell and LaPadula's security Model with a neat diagram? [8 M]
b) State and explain Biba's Integrity Model Briefly? [7 M].
4. a) What is a Trusted System? Explain about Trusted Computer System Evaluation Criteria? [8 M]
b) Explain Resource Protection Control Flow Mechanisms in Operating systems? [7 M]
5. Write short note on the following
a) Secure software design approaches? [8 M]
b) Secure operating system design approaches? [7 M]
6. a) what is an attach? Write notes on different types of attacks? [8 M]
b) Explain conceptual partitioning mechanism in detail? [7 M]
7. a) Explain in detail about elements of object oriented databases? [7 M]
b) Write short notes on SORION Model for the Protection of Object-Oriented Databases? [8M]
8. a) What is an active database? Explain the model for the protection of active databases? [8 M]
b) Explain in detail about the strong and weak authorization base in protection? [7 M]

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IV B.Tech II sem Supplementary Examinations, APRIL - 2017

SUBJECT: Storage Area Networks

Branch: IT

Time: 3 Hours

Max Marks: 75 M

Answer any FIVE of the following

5 X 15 M = 75 M

1. a) Write an explanatory note on “value of data to a business”? (7 M+8M)
b) Identify the core elements of a datacenter. Explain their functionality with a case study.
2. a) Write notes on disk drive and its components. (7 M+8M)
b) Describe the role of various components in a connectivity environment.
3. Elaborate on intelligent storage system and its working.
4. Write notes on FC-SAN, IP-SAN and compare them.
5. Explain the terms: a) Outage b) Recovery point objective (RPO) (5M+5M+5M)
c) Recovery time objective (RTO)
6. Write notes on replication technologies. What is their role in information availability?
7. Identify the key areas to monitor in a datacenter and frame the metrics for monitoring.
8. a) Explain briefly general requirements and considerations for implementation of virtualization.
b) List the advantages & disadvantages of virtualization. (9M+6M)

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IV B.TECH II SEM SUPPLEMENTARY EXAMINATIONS, MARCH - 2017**SUBJECT: Web Services****Branch: CSE****Time: 3 Hours****Max Marks: 75 M****Answer any FIVE question****5 X 15 M = 75 M**

- 1) a) Explain CORBA and java RMI. [7+8]
b) Explain Service Oriented Architecture.
- 2) a) Define Web services explain different types of web services with example. [8+7]
b) What are the basic operational models of Web services explain with example?
- 3) a) Explain core building blocks of web services. [7+8]
b) What are different standards and technologies available for implementing web services.
- 4) a) What is the purpose of SOAP in web services explain in details. [7+8]
b) Describe SOAP encryption and Digital signature process.
- 5) a) Explain Building SOAP Web services [7+8]
b) Construct SOAP Specification?
- 6) a) Explain Web Service life cycle. [8+7]
b) What is WSDL and what are the different components of WSDL?
- 7) a) what is the role of service discovery in a SOA. [7+8]
b) How to publish information in UDDI registry give one example.
- 8) a) What to do you mean by interoperability web services [5+10]
b) Explain XML encryption and digital signature