

Code No: 09A80507

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year II Semester Examinations, May - 2013

Database Security

(Computer Science and Engineering)

Time: 3 Hours

Max. Marks: 75

Answer any Five Questions
All Questions Carry Equal Marks



1. Define the term database. Discuss the need for database security. [15]
2. Explain clearly the Take-Grant Model, PN model and Fernandez's model for data base security. [15]
3. Discuss clearly the Bell and Lapadula's security model and Biba's security model. [15]
4. List out various database security mechanisms and explain them clearly. [15]
5. Explain the methodological approach to security software design. [15]
6. Discuss clearly the IDES system, RETISS system and ASES system. [15]
7. Discuss model for the protection of object-oriented systems and object oriented data bases. [15]
8. Explain the Orion model Jajodia and Kogan's model for protecting databases. [15]

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