

Reg.No. _____



Karunya UNIVERSITY

(Karunya Institute of Technology & Sciences)
(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

End Semester Examination – Nov/Dec – 2016

Code : **14CS3054**
Sub. Name : **Database Security**

Semester : **2016-17 ODD**
Duration : **3hrs**
Max. marks : **100**

ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)

Q. No.	Sub Div.	Questions	Course Outcome	Marks
1.	a.	Discuss the component that is peripheral to the actual Oracle RDBMS but integral to its management.	CO1	10
	b.	Detail running operating system commands in Oracle.	CO1	10
(OR)				
2.	a.	Elaborate Attacking oracle with clear examples and syntax.	CO1	15
	b.	Does Oracle support PL/SQL? Explain in detail.	CO1	5
3.	a.	Elucidate the steps to improve the security of the core Oracle DBMS.	CO1	10
	b.	Explain gaining access to the filesystem through DB2 and detail local attacking techniques used in DB2.	CO1	10
(OR)				
4.	a.	Discuss DB2 authentication and authorization.	CO1	20
5.	a.	Detail Running Arbitrary Commands with SPL and loading arbitrary libraries in Informix.	CO1	15
	b.	Discuss SQL Buffer Overflows in Informix.	CO1	5
(OR)				
6.	a.	Detail Shared Memory, Usernames, and Passwords analysis for attacking Informix database.	CO1	10
	b.	Explain the various methods to secure Informix database.	CO1	10
7.	a.	Elaborate Sybase: Discovery, Attack, and Defense with real-time scenarios.	CO1	20
(OR)				
8.	a.	Elucidate the various methods for securing Sybase with clear checklist analysis.	CO1	20
<u>Compulsory:</u>				
9.	a.	Elaborate Microsoft SQL server architecture with its attack and defense mechanisms and solutions.	CO1	20

ALL THE BEST