JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION- 2024

M.Tech-I Semester (CSE/IT)

COURSE CODE (CREDITS): 18M11CI113(3)   MAX. MARKS: 25

COURSE NAME: Advanced Database System Security

COURSE INSTRUCTORS: Dr. Rakesh Kanji   MAX. TIME: 1 Hour 30 Minutes

Note: (a) *Attempt any 5.*

(b) *The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems*

Q.No	Question	Marks
Q1	(i)Explain the types of SQL injection. (ii)Apply error based SQL injection to fetch user name and password. (iii) Asses the error based SQL injection is preferable to Union SQL injection.	2+2+1
Q2	(i) Describe the role of SQL server profiler. (ii) State the impact of Database manipulation Trojan. (iii) Apply SQL server profiler for detecting Data Exfiltration Trojan.	1+2+2
Q3	(i) Define the standard template and its role. (ii) Explain the components of SQL server job and its usage.	2.5+2.5
Q4	(i) Explain the importance of Row level security. (ii) Describe this with the SQL code.	2+3
Q5	(i) Perform monitoring outbound communication with Dynamic management view or extended events. (ii) Classify Dynamic management view and extended events in terms of usage. (iii) Apply linked server to communicate with another server.	2+1+2
Q6	(i) Identify the steps to communicate between two different SQL server in terms of SSIS (SQL Server Integration Services.) (ii) Name the types of SQL server backup . (iii) Explain the purpose of database back up.	2+1.5+1.5
Q7	(i) Identify the steps for log shipping back up. (ii) Asses the drawback of log shipping and being addressed by mirroring. (iii) Compare the operating modes of mirroring back up.	2+1+2