

- b. Explain the concept of Virtual Private Database. 10 1 3 1
29. a. Briefly discuss about Oracle Triggers. 10 1 4 1
- (OR)**
- b. Elaborate about Auditing Server Activity with SQL server 2000. 10 1 4 1
30. a. Illustrate the Randomization methods and Group based Anonymization. 10 1 5 1
- (OR)**
- b. Explain in detail the Distributed Privacy Preserving Data Mining and Applications of Privacy Preserving Data Mining. 10 1 5 1

Reg. No.																			
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

B.Tech. DEGREE EXAMINATION, MAY 2022
Seventh Semester

18CSE455T – DATABASE SECURITY AND PRIVACY
(For the candidates admitted from the academic year 2018-2019 to 2019-2020)

Note:

- (i) **Part - A** should be answered in OMR sheet within first 40 minutes and OMR sheet should be handed over to hall invigilator at the end of 40th minute.
- (ii) **Part - B** should be answered in answer booklet.

Time: 2½ Hours

Max. Marks: 75

PART – A (25 × 1 = 25 Marks)

Answer **ALL** Questions

- | | Marks | BL | CO | PO |
|--|-------|----|----|----|
| 1. Malicious code that penetrates a computer system by _____ pretending to be a legitimate code.
(A) Spoofing code (B) Back door
(C) Trojan Horse (D) Worm | | | | |
| 2. _____ is a place where database security must be protected?
(A) Database Access Point (B) Security Point
(C) Security Access Point (D) Database Environment | 1 | 1 | 1 | 1 |
| 3. Two parties to exchange information over an open network by assigning unique key is called _____.
(A) Token (B) Ticket
(C) Password (D) Keys | 1 | 1 | 1 | 1 |
| 4. Which of them is not a proper method for Email security?
(A) Use Strong Password (B) Use Email Encryption
(C) Spam filters and Malware Scanners (D) Click on Unknown links to Explore | 1 | 2 | 1 | 1 |
| 5. Database Management System is a type of _____ Software.
(A) System (B) Application
(C) General (D) Not a | 1 | 2 | 1 | 1 |
| 6. Which of the following is not Server Privileges?
(A) Sys admin (B) Process admin
(C) db datareader (D) Db creator | 1 | 1 | 2 | 1 |
| 7. Out of the given options, select a valid Encryption Techniques
(A) Public Key Encryption (B) Parallel Key Encryption
(C) Non Systematic Key Encryption (D) Systematic Key Encryption | 1 | 1 | 2 | 1 |
| 8. Prevention of access to the database by unauthorized user is referred to as
(A) Integrity (B) Productivity
(C) Security (D) Reliability | 1 | 1 | 2 | 1 |

9. In remote sensors communication is enabled through _____ (A) OLEDDB (B) RPC (C) KERBEROS (D) KDC	1	1	2	1	19. The method for privacy de-identification is _____ (A) K-Anonymity (B) T-Closeness (C) Query (D) I-diversity	1	1	4	1
10. _____ attack could be made on a website that accumulates and shown the text to the user (A) SQL Attacks (B) Cross site Scripting Attack (C) XRP Attack (D) Phishing Attack	1	1	2	1	20. The value of the attributes is completely removed in the method of _____ (A) Association rule (B) Generalization (C) Suppression (D) Anonymization	1	1	4	1
11. _____ the server hosting the resource "challenges" user to prove his/her identify, when the user attempt to access a resource (A) NTLM (B) KERBEROS (C) PPDM (D) ACL	1	1	3	1	21. Choose the correct syntax for "don't do any audit to current session for using Alice". (A) No Audit Session by Alice. (B) Audit Session by Alice (C) Remote Session by Alice (D) Delete Session by Alice	1	1	5	1
12. Which of the following query information is used for inserting, deleting and modifying tuples in the database? (A) Data Definition Language (DDL) (B) Data Manipulation Language (DML) (C) Query (D) Data Relational Language (DRL)	1	1	3	1	22. The Internal Auditor is appointed by _____ (A) The Management (B) The Shareholders (C) The Government (D) The Statutory Body	1	1	5	1
13. General construct of creating views is given as _____ (A) Create view as Select (B) Create view in Update (C) Create view in Select (D) Create view as Update	1	1	3	1	23. The _____ team retested every database application function and try to find bugs. (A) Testing (B) Auditor (C) Developer (D) Quality Assurance	1	1	5	1
14. For any user authentication, the occurs matrix model contains (A) List of domains (B) List of users (C) List of capabilities (D) List of access denials	1	1	3	1	24. Which of the following is not a data mining functionality? (A) Characterization and Discrimination (B) Classification and Regression (C) Selection and Interpretation (D) Clustering and Analysis	1	1	5	1
15. Which clause of oracle log tells, how much storage space as user is allowed for a specified table space? (A) Perfect Clause (B) Quota Clause (C) Allow Clause (D) Default Clause	1	1	3	1	25. Choose the correct option for deleting the row from the table (A) Delete from Table Name where ID = No (B) Remove all Privileges (C) Delete all Privileges (D) Remove from Table name where ID = No	1	1	5	1
16. _____ of information meant only authorized user are capable of accessing the information (A) Confidentially (B) Integrity (C) Non repudiation (D) Availability	1	1	4	1	PART – B (5 × 10 = 50 Marks) Answer ALL Questions				
17. Companies save all trading transactions for a period of time to comply with government regulations. It is an example of _____. (A) External Audit (B) Internal Audit (C) Automatic Audit (D) Financial Audit	1	1	4	1	26. a. Discuss in detail about the Information Security Architecture (OR) b. Explain in detail the various components of an Operating System Security Environment.	10	1	1	1
18. _____ is a type of security rating that evaluates the security frame work for computer products used in government and military organizations and institutes. (A) C2 Security (B) K2 Security (C) M2 Security (D) A2 Security	1	1	4	1	27. a. Discuss about various steps involved in creating a SQL server user. (OR) b. Write briefly about Designing and Implementing Password Policies.	10	1	2	1
					28. a. Demonstrate any two Application Security Models.	10	1	3	1