

Register No.: Name:

SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

SECOND SEMESTER MCA DEGREE EXAMINATION (R,S), MAY 2024**(2021 SCHEME)****Course Code: 21CA202****Course Name: Web and Database Security****Max. Marks: 60****Duration: 3 Hours****PART A*****(Answer all questions. Each question carries 3 marks)***

1. Write short note on message digest functions.
2. Compare private and public cryptography.
3. Which are the different types of backups? Explain each.
4. What is triangulation?
5. Define access control.
6. What is XQuery? Give an example of XQuery statement.
7. List the different types of IDSs.
8. Which are the advantages of data profiling?
9. State the function of location-based services.
10. List any three important resources required for authorization in a mobile environment.

PART B***(Answer one full question from each module, each question carries 6 marks)*****MODULE I**

11. Explain about Data Encryption Standard (DES). (6)

OR

12. Write the strength and weakness of any three digital identification methods. (6)

MODULE II

13. What is a cookie? What are its uses? Describe about cookie protocol and jars. (6)

OR

14. Discuss the characteristics and features of password as an authentication mechanism. (6)

MODULE III

15. Which are the classical access control models available? Explain each. (6)

OR

16. Explain the concept behind trust management. (6)

MODULE IV

17. What is a snapshot profile? How can we use profiling to brief up the security of a database? (6)

OR

18. How do we constrain the behavior of database users and roles to improve the database security configuration? (6)

MODULE V

19. With the help of a block diagram, describe system architecture for a mobile application environment. (6)

OR

20. Discuss the importance of unified index for authorizations. (6)
