

Register No.: Name:

SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

SECOND SEMESTER MCA DEGREE EXAMINATION (S), AUGUST 2023**(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. Explain play fair cipher with an example.
2. Define web security.
3. How can cookie management help to protect users' privacy?
4. What is the use of browser cache?
5. Define credential based access control.
6. What is XML schema?
7. Identify the database auditing components as defined by NIST.
8. Write short note on database watermarking.
9. What are the challenges in authorization models?
10. What are the open issues of moving objects and profiles?

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

11. What is a digital signature? Explain the working of digital signature algorithm using a block diagram. (6)

OR

12. Explain any two classical encryption techniques. (6)

MODULE II

13. Discuss the various types of log files. (6)

OR

14. Describe the security measures to be taken for a good password as an authentication mechanism. (6)

MODULE III

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

OR

16. What are the principal contributions of trust management? Explain. (6)

MODULE IV

17. What are the various requirements to implement security re-engineering for database systems? (6)

OR

18. Explain the various trustworthy records retention strategies. (6)

MODULE V

19. Illustrate the system architecture for a mobile application environment. (6)

OR

20. List and explain the importance of unified index for authorizations. (6)
