

# END TERM EXAMINATION

FIFTH SEMESTER [BCA] DECEMBER 2023 - JANUARY 2024

Paper Code: BCAT313

Subject: Web Security

Time: 3 Hours

Maximum Marks: 75

**Note: Attempt any five questions in all including Q. No.1 which is compulsory. Select one question from each unit.**

- Q1 Write short note on the following (Any Five):- (5x5=25)
- (a) What is SQL Injection?
  - (b) What are Cyber Security Solutions?
  - (c) Explain Hacking Techniques on web.
  - (d) Explain REST Security.
  - (e) Write the difference between PGP and SMIME.
  - (f) What is Email Security?
  - (g) What do you understand by the term Ethical Hacking?
  - (h) Explain the term Honeytoken.

## UNIT-I

- Q2 (a) What is Web Security? Explain the different types of web security and web Infrastructure Security. (6.5)  
(b) Elaborate Web Application Architecture and recent attack trends in web. (6)
- Q3 (a) What is the importance of Web Application Security in our life? Explain the Difference between Web Application Security and Network Security. (6.5)  
(b) What are Online Social Networks and Pitfalls in it? (6)

## UNIT-II

- Q4 (a) Explain SQL Injection along with example, also types of Injection flaws. (6.5)  
(b) Write In brief about Web Security. (6)
- Q5 (a) Explain Programming Bugs and Malicious Code along with Web Authentication in Web Security. (6.5)  
(b) What is Ecommerce Security and Web Browser Security? (6)

## UNIT-III

- Q6 (a) What are the components and Security issues of Wireless Security Network? How to secure Wireless Network? (6.5)  
(b) Explain penetration Testing. (6)
- Q7 (a) Elaborate Security Audit and Investigation in Mobile Security Management. Also Explain Computer Forensic. (6.5)  
(b) Explain the concept of Cyber Laws and Crime in Mobile Security. (6)

## UNIT-IV

- Q8 (a) What is XML Security and AJAX attack in Web Services? (6.5)  
(b) Explain Security Testing and IPV6 importance on Web Security. (6)
- Q9 (a) What is DNS Rebinding? Also Explain Serialization Security. (6.5)  
(b) Explain Common attack on Web Services and Content Security Policy. (6)

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