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BACHELOR OF COMPUTER APPLICATION (CYBER
SECURITY)/BACHELOR OF SCIENCE (CYBER SECURITY)
EXAMINATION : DECEMBER-2025

SEMESTER - III

Sub: Cyber Security II (BCAC23-304/ BSCC24-304)

Date : 26/12/2025

Total Marks : 60

Time: 2.00 pm to 4.30 pm

Instructions:

1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labeled diagrams wherever necessary.

Q.1. Fill in the blanks.

(5)

1. Electronic _____ means the Official Gazette published in the electronic form.
 - a) Form
 - b) Data
 - c) Record
 - d) Gazette
2. _____ is software that spies on you, often tracking your internet activities in order to serve you advertising.
 - a) Spyware
 - b) Backdoor
 - c) Root kit
 - d) Trojan
3. _____ is a basic attack used either to gain unauthorized access to a database or to retrieve information directly from the database.
 - a) Cross-site scripting
 - b) Code Injection
 - c) Header Injection
 - d) SQL injection
4. Card _____ is the attack, where a customer's ATM card is swapped for another card without their knowledge whilst undertaking an ATM transaction.
 - a) Vandalism
 - b) Swapping
 - c) Jamming
 - d) Mugging
5. _____ is the initial stage of collecting information on the target network.
 - a) Scanning
 - b) Obtaining Access
 - c) Reconnaissance
 - d) Maintaining Access

Q.2. State True/False.

(5)

1. Secure system means computer hardware, software, and procedure that are reasonably secure from unauthorized access and misuse.
2. Backdoors are much the same as Trojans or worms, except that they open a "backdoor" onto a computer, providing a network connection for hackers.
3. Private Key means the key of a key pair used to create a digital signature.
4. Card Diversion is a attack, where a customer's ATM card is swapped for another card without their knowledge whilst undertaking an ATM transaction.
5. Scam is unsolicited e-mail generated to advertise some service or product.

Q.3. Answer the following. (Solve any 5)

(10)

1. What is Digital Signature?
2. Define the term “Private Key”.
3. Define the term “Computer Resource”.
4. Explain the command to change the user name.
5. Explain the use of whois command in Linux.
6. What is “Booster Cheque”?

Q. 4. Answer the following in detail. (Solve any 6) (30)

1. Write a short note on “Salami Attack”.
2. Write a short note on cheque security features.
3. Write a short note on Cross Site Scripting.
4. How to secure wireless network?
5. Write a short note on “Target Environment” used by Virus.
6. Write a short note on “Reactive Approach”.
7. Explain the following steps involved in money laundering; a) Placement, b) Layering.

Q. 5. Answer the following in detail. (Solve any 1) (10)

1. Explain any 5 types of Bank & banking related Fraud.
 2. Explain the five stages involved in Penetration Testing.
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