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SPECIALIZATION IN CYBER SECURITY (CS)
EXAMINATION : DECEMBER - 2022
SEMESTER - IV
Sub: Cyber Security II (BCA –442-18/BCA-CS-442-20)

Date : 22/12/2022   **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. A trick message warning of a virus that doesn't actually exist is an example of
_____.
    a) Hoxaxes   b) Joke software
    c) Scam   d) Spam

2. _____means data, record or data generated, image or sound stored, received or sent 1.
in an electronic form or micro film or computer generated micro fiche.
    a) Electronic Record   b) Electronic Gazette
    c) Electronic database   d) Electronic form

3. _____Command shows live system processes in a formatted table, memory
information, uptime and other useful info.
    a) ls   b) DD
    c) Top   d) process

4. A _____is basically browsing a site and looking for clues about the server's directory
structure.
    a) Sql Injection   b) Cross Site Scripting
    c) directory traversal   d) Code Injection

5. _____injection attacks attempts to add additional SQL statements or commands to
the existing SQL statement.
    a) XSS   b) Code
    c) class   d) Function

Q.2. **State True/False.** **(5)**

1. Spam is unsolicited email generated to advertise some service or product.
2. A spam message warning of a virus that doesn't actually exist is an example of a
phishing.
3. Polymorphic viruses are more difficult to detect by scanning because each copy of
the virus looks different than the other copies.
4. Sniffing is the initial state of collecting information on the target network.
5. SQL injection can be used to capture the live sessions from the web browser.

Q.3.   **Answer the following. (Solve any 5)**   **(10)**

1.   Define the term "Electronic Gazette".
2.   What is "Booster Cheque"?
3.   Define the term "Keylogger".
4.   Explain the command to change the user name in Linux.
5.   Explain the use of "whois" command in Linux.
6.   Define the term "Private Key".

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

1.   Explain in detail Penetration Testing process.
2.   Define the term "Virus". Explain following types of Virus;
        a) Polymorphic Virus,   b) batch file Virus.
3.   Write a short note on Cross Site Scripting.
4.   Explain the following steps involved in money laundering; a) Placement,   b)
        Layering.
5.   Write a short note on "Proactive Approach".
6.   Explain the use of "airodump-ng" and "airmon-ng" command in wireless hacking.
7.   Write a short note on "Target Environment" used by Virus.

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

1.   Explain any 5 types of Bank & banking related Fraud.
2.   Define the term "Malware". Explain any 4 types of Malware.

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