

ગુજરાત વિદ્યાપીઠ : અમદાવાદ
વ્યવસ્થાપન અને પ્રૌદ્યોગિકી વિજ્ઞાન વિદ્યાશાખા
કમ્પ્યુટર વિજ્ઞાન વિભાગ
માસ્ટર ઓફ કમ્પ્યુટર એપ્લીકેશન (M.C.A.) : સત્ર-3
સત્રાંત પરીક્ષા : નવેમ્બર-2023

પરીક્ષાર્થી ક્રમાંક

તલ. 01/11/2023
વાર : બુધવાર

MCA-301 : Cyber Security

સમય : 12-00 થી 02-30
કુલગુણ : 60

- Q-1. (A) Answer the following question. (Any Five) 05**
1. Explain in brief Dos.
 2. Give one example of Backdoors & Trojan Horse.
 3. Define: Virus and Worms.
 4. Explain buffer overflow In brief.
 5. Write two solutions against identity theft.
 6. Explain Cyber stalking in brief.
 7. What is key logger? How it harmful for the user?
 8. Explain Cyber defamation in brief.
- (B) Answer the Following Questions. (Any Two) 04**
1. Difference between Proxy Servers and Anonymizers.
 2. Explain Network intrusions in brief.
 3. Explain password cracking.
 4. Explain steganography in brief.
- (C) Answer the Following Questions. (Any One) 06**
1. Explain Social Engineering in detail.
 2. Explain Cyber Law and Indian ITA 2000.
 3. Explain virus in detail.
- Q-2. (A) Answer the Following Questions. (Any Five) 05**
1. Define: Confidentiality.
 2. Define: Encryption & Decryption.
 3. In brief explain Access Token.
 4. Full form of ICMP & TCP.
 5. Explain in brief Zero-Day Attack.
 6. Explain in brief Post Attack cleanup.
 7. Explain in brief ARP Poisoning.
 8. List ICMP based attack.
- (B) Answer the Following Questions. (Any Two) 04**
1. Explain Authentication and Non-repudiation.
 2. Difference between SSL and TLS.
 3. Type of cyber criminals.
 4. Explain port scanning in brief.
- (C) Answer the Following Questions. (Any One) 06**
1. Write a short note on Firewall.
 2. List network and transport layer attacks & explain any two in detail.
 3. Describe any three cyber crimes.

- Q-3. (A) Answer the Following Questions. (Any Five). 05**
1. Full form of XPATH queries.
 2. Explain in brief the function of IDS.
 3. Explain Exploitation in brief.
 4. Difference between HTTP and HTTPS.
 5. Explain brief Verbose Error Messages.
 6. Explain in brief Path traversal attack.
 7. Explain Session management in brief.
 8. Explain Cookies in brief.
- (B) Answer the Following Questions. (Any Two). 04**
1. Difference between steganography and cryptography.
 2. Explain web backing in brief.
 3. Explain Input validation in brief.
 4. Explain Insecure account policies in brief.
- (C) Answer the Following Questions. (Any One) 06**
1. What is phishing? Describe the types of phishing.
 2. What is injection attack? Explain SQL injection in detail
- Q-4. (A) Answer the Following Questions. (Any Five) 05**
1. What do you mean by Input Sanitization.
 2. Difference between DOS & DDOS.
 3. Difference between active and passive attack.
 4. Difference between XSS & CSRF.
 5. Explain in brief TCP SYN flood.
 6. Explain Email spoofing in brief.
 7. Explain Spamming in brief.
 8. What do you mean by attack vector?
- (B) Answer the Following Questions (Any Two) 04**
1. Explain Botnet in brief.
 2. In brief explain digital signature.
 3. List classification of cybercrimes.
 4. What do you mean by hackers?
- (C) Answer the Following Questions. (Any One) 06**
1. List Six Cyber-attacks and its countermeasures.
 2. What is exploitation? Explain any four Metasploit commands.

મોડરેટરનું નામ અને સહી. _____