SC

(A3)

SARDAR PATEL UNIVERSITY
M.Sc.IT(Integrated) Examination, 4th Semester
Saturday, 2nd May 2015
Time: 10:30 A.M to 12:30 P.M
Subject Code: PS04EIIT01
Subject: Cyber Security

Total Marks: 70

Q.1   Multiple Choice Questions   [10]

1.   _____ is a person with a strong interest in computers who enjoys learning
And experimenting with them.
(a) phreaker (b) cracker (c) hacker (d) war dialer

2.   A _____ involves gathering information about a target without his/her
knowledge and generally done using internet searches or by googling.
(a) active attack (b) network scanning (c) passive attack (d) port scanning

3.   _____ is a full-featured, PDA sized computer running a general purpose
operating system.
(a) ultramobile pc (b) internet tablet (c) smartphone (d) PDA

4. _____is a combination of mobile phone and phishing.
(a) smashing (b) phishing (c) mishnig (d) Wishing

5. _____ is a tool that attempts to make activity on the internet untraceable.
(a) covering tracks (b) G-zapper (c) clickjacking (d) anonymizer

6. _____ Viruses infects the storage media on which OS is stored and which is
used to start the computer system.
(a) BIOS (b) track sector (c) boot sector (d) program

7. _____ is an anomaly where a process stores data in a buffer outside the
memory the programmer has set aside for it.
(a) memory corruption   (b) buffer malfunction
(c) memory out   (d) buffer overflow

8. _____ is any illegal behavior, directed by means of electronic operations,
that targets the security of the computer systems and the data processed by them
(a) cyberspace (b) cyberterrorism (c) cybersquatting (d) cybercrime

9. A _____ E-mail is one that appears to originate from one source
but actually   has been sent from another source.
(a) spoofed (b) junk (c) spam (d) trash

10. When an unauthorized person uses the internet hours paid for by
another   person then it is called_____.
(a) password sniffing   (b) internet time theft
(c) illegal access   (d) internet time left

Q.2   Short Questions(Attempt Any Ten)   [20]

        1. What is cybercrime? How do you define it?
        2. How do viruses get disseminated?
        3. Explain the terms. "Cybersquatting"
        4. Explain the terms. "Port scanning"
        5. Explain passive attack..
        6. List out tools used for active attack.
        7. How vishing works?
        8. List out Bluetooth hacking tools.
        9. Explain registry settings for mobile devices.
        10. How virus can infect your computer?
        11. List out tools used to launch DoS attack..
        12. Explain the terms. "Proxyservers"

Q.3   a)   How do we classify cybercrimes? Explain in detail.   [6]
       b)   Explain spamming in detail.   [4]

                                    OR

Q.3   a)   Explain credit card fraud in detail   [6]
       b)   Explain pornographic offences in detail.   [4]

Q.4   a)   List and explain categories of cybercrime.   [6]
       b)   List and explain techniques to launch attack vector.   [4]

                                    OR

Q.4   a)   List and explain security measures for computer system.   [6]

       b)   List and explain types of services provided by cloud computing. [4]

Q.5   a)   Explain security challenges posed by mobile devices..   [6]

       b)   What is Bluetooth? List and explain Bluetooth tools and Bluetooth

             Specific security issues.   [4]
                                    OR

Q.5   a)   Explain the factors contribute for outbreaks on mobile devices. [6]
       b)   Explain operating guidelines for implementing mobile device security
             Policies.   [4]

Q.6   a)   Explain password cracking in detail.   [6]
       b)   Explain steps to perform SQL injection.   [4]
                                    OR

Q.6   a)   How to protect from Trojan horses and backdoors?.   [6]
       b)   Explain types of viruses.   [4]
                                    —x—