Seat No: _____   Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
B.Tech. Summer 2021 - 22 Examination

Semester: 8   Date: 30/03/2022
Subject Code: 03105481   Time: 10:30 am to 01:00 pm
Subject Name: Cyber Forensic   Total Marks: 60

Instructions:
1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1 Objective Type Questions - (Fill in the blanks, one word answer, MCQ-not more than Five in case   **(15)**
of MCQ) (All are compulsory) (Each of one mark)

1. Before performing any penetration test, through legal procedure, which key points listed below is not mandatory?
   a) Know the nature of the organization
   b) Characteristics of work done in the firm
   c) System and network
   d) Type of broadband company used by the firm
2. After performing _____ the ethical hacker should never disclose client information to other parties.
3. _____ is the branch of cyber security that deals with morality and provides different theories and a principle regarding the view-points about what is right and wrong.
   a) Social ethics
   b) Ethics in cyber-security
   c) Corporate ethics
   d) Ethics in black hat hacking
4. A penetration tester must identify and keep in mind the _____ & _____ requirements of a firm while evaluating the security postures.
5. _____ is an activity that takes place when cyber-criminals infiltrates any data source and takes away or alters sensitive information.
   a) Data-hack
   b) Data-stealing
   c) Database altering
   d) Data breach
6. An attacker, who is an employee of your firm may _____ to know your system password.
7. _____ are used to take your confidential data from your ATM cards.
8. An attacker may use automatic brute forcing tool to compromise your _____.
9. Illicit hackers may enter your personal area or room or cabin to steal your laptop, pen drive, documents or other components to make their hands dirty on your confidential information. True or False.
10. Which of the following is not a proper aspect of user integration?
    a) Employee's authentication
    b) Physical authorization
    c) Access control
    d) Representing users in the database
11. A _____ takes over your system's browser settings and the attack will redirect the websites you visit some other websites of its preference.
12. Which of the following do not comes under security measures for cloud in firms?
    a) Firewall
    b) Antivirus
    c) Load Balancer
    d) Encryption
13. If you're working in your company's system/laptop and suddenly a pop-up window arise asking you to update your security application, you must ignore it. True or False.
14. _____may be forced for flooding traffic to all VLAN ports allowing interception of data through any device that is connected to a VLAN.

15. Transmission mechanisms can be subject to spoofing & attacks based on skilled modified packets. True or False.

Q.2 Answer the following questions. (Attempt any three) **(15)**
    A) Enlist and explain the traditional problems associated with computer crime.
    B) How to process crime and incident scenes through Windows systems.
    C) Explain remote acquisition in detail.
    D) Explain different Malware threats in detail.

Q.3 A) Explain SQL injection in detail. **(07)**
    B) What is Sniffing? Explain in detail. **(08)**
<div align="center">**OR**</div>
    B) How to validate forensic data? Explain in detail. **(08)**

Q.4 A) Explain any of the software computer forensic tools in detail. **(07)**
<div align="center">**OR**</div>
    A) Explain any of the hardware computer forensic tools in detail. **(07)**
    B) Explain the types of computer forensic techniques. **(08)**