

**PARUL UNIVERSITY**  
**PARUL INSTITUTE OF APPLIED SCIENCES**  
**MID SEMESTER INTERNAL EXAMINATION, SEPTEMBER 2019**  
**B.Sc. Semester III**  
**Subject: Forensic science**

**Paper Code: 11107210**

**Paper title: Digital and Cyber Forensics**

**Date: /09 /2019**

**Time:**

**Maximum Marks: 40**

**Instructions:**

- 1. All questions are compulsory and options are given in first and second question only.**
  - 2. Numbers to the right of question indicate the marks of respective question.**
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**Q-1. Attempt any one question of the following. (08)**

1. Write note on the different types of cybercrime and explain in details any five type of crime.
2. Write note on digital crime scene Investigation

**Q-2. Attempt any three questions of the following. (12)**

1. What is man in middle attack and juice jacking attack?
2. What is Use of FTK image software in cyber Forensic?
3. What is different between hashing, Encryption and Encoding?
4. What is use of Hex Editor in Forensic analysis?

**Q-3. Do as directed. Attempt all five questions. (05)**

1. What is cyber-crime?
2. What is digital forensic?
3. What is network forensic Analysis?
4. What is Mobile Forensic analysis?
5. What is Role of Frist Responder?

**Q-4. Write correct option in your answer sheet for following 15 multiple choice questions. (15)**

1. Which of the following is not a type of cybercrime?  
(a) Data theft (b) cyber stalking  
(c) Damage to data and systems. (d) Installing antivirus for protection
2. What is a computer network?  
(a) A super computer owned only by the government  
(b) A web of connected computers or devices  
(c) A computer vulnerability  
(d) An Internet service provider

3. To hide information inside a picture, what technology is used?
  - (a) Rootkits
  - (b) Bitmapping
  - (c) Steganography
  - (d) Image Rendering
4. What is the purpose of a Denial of Service attack?
  - (a) Exploit a weakness in the TCP/IP stack
  - (b) To execute a Trojan on a system
  - (c) To overload a system so it is no longer operational
  - (d) To shutdown services by turning them off
5. SIM stand for \_\_\_\_\_.
  - (a) Side ideal modal
  - (b) Single identified modal
  - (c) Subscriber Identification Module
  - (d) Source immediately model
6. Full form of UPS \_\_\_\_\_.
  - (a) Uninterruptable power supply
  - (b) Unique power supply
  - (c) Uniform power supply
  - (d) All of the above
7. Full form of IDS?
  - (a) Intrusion detection system
  - (b) Information detection system
  - (c) Interactive detection system
  - (d) None of the above
8. What is full USB ?
  - (a) Uniform serial Bus
  - (b) Unique serial Bus
  - (c) Universal Serial Bus
  - (d) All of the above
9. Message authentication is a service beyond
  - (a) Message Confidentiality
  - (b) Message Integrity
  - (c) Message Splashing
  - (d) Message Sending
10. A hash function guarantees integrity of a message. It guarantees that message has not be
  - (a) Replaced
  - (b) Over view
  - (c) Changed
  - (d) Violated
11. What is other name of the internal IP (Internet Protocol) Address.
  - (a) Private IP
  - (b) Public IP
  - (c) Symetic IP
  - (c) MAC IP
12. Which of the following is known as Malicious software?
  - (a) Illegal ware
  - (b) Bad ware
  - (c) Malware
  - (d) Malicious ware
13. WWW stands for?
  - (a) World Whole Web
  - (b) Wide World Web
  - (c) Web World Wide
  - (d) World Wide Web
14. Full form of URL is?
  - (a) Uniform Resource Locator
  - (b) Uniform Resource Link
  - (c) Uniform Registered Link
  - (d) Unified Resource Link
15. Which software is used for making clone of the original evidence?
  - (a) FTK (Forensic Tool kit)
  - (b) Autopsy
  - (c) Psiphone Pro
  - (d) None of the above