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Notes   *Available @*
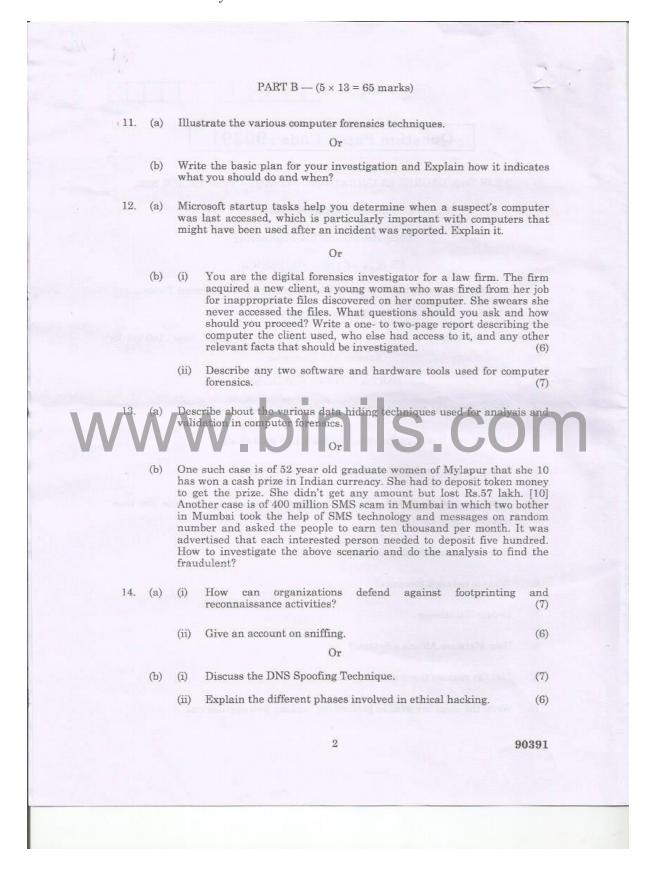Syllabus
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Reg. No. :

Question Paper Code : 90391

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2022.

Seventh/Eighth Semester

Computer Science and Engineering

CS 8074 – CYBER FORENSICS

(Common to: Computer and Communication Engineering/ Information Technology)

(Regulations 2017)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Write about the two common causes of Identity theft.

2. Give an two investigation steps involving in e-mail abuse.

3. List the rules for digital evidence.

4. Does the tool have any automated features that can help reduce the time needed to analyze data?

5. How to validate the forensics data?

6. What is network forensics?

7. Define Hacktivism.

8. How Malware Affects a System?

9. List the various types of DoS attacks.

10. Write the steps involved in performing hacking web applications.

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PART B — (5 × 13 = 65 marks)

11. (a) Illustrate the various computer forensics techniques.

Or

(b) Write the basic plan for your investigation and Explain how it indicates what you should do and when?

12. (a) Microsoft startup tasks help you determine when a suspect's computer was last accessed, which is particularly important with computers that might have been used after an incident was reported. Explain it.

Or

(b) (i) You are the digital forensics investigator for a law firm. The firm acquired a new client, a young woman who was fired from her job for inappropriate files discovered on her computer. She swears she never accessed the files. What questions should you ask and how should you proceed? Write a one- to two-page report describing the computer the client used, who else had access to it, and any other relevant facts that should be investigated. (6)

(ii) Describe any two software and hardware tools used for computer forensics. (7)

13. (a) Describe about the various data hiding techniques used for analysis and validation in computer forensics.

Or

(b) One such case is of 52 year old graduate women of Mylapur that she 10 has won a cash prize in Indian currency. She had to deposit token money to get the prize. She didn't get any amount but lost Rs.57 lakh. [10] Another case is of 400 million SMS scam in Mumbai in which two bother in Mumbai took the help of SMS technology and messages on random number and asked the people to earn ten thousand per month. It was advertised that each interested person needed to deposit five hundred. How to investigate the above scenario and do the analysis to find the fraudulent?

14. (a) (i) How can organizations defend against footprinting and reconnaissance activities? (7)

(ii) Give an account on sniffing. (6)

Or

(b) (i) Discuss the DNS Spoofing Technique. (7)

(ii) Explain the different phases involved in ethical hacking. (6)

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112

15. (a) (i) Explain the steps for SQL injection attack.   (7)

(ii) Give an account on denial of service.   (6)

Or

(b) How to perform a session Hijacking by adding undesired patient details into a victim's online counseling process?

PART C — (1 × 15 = 15 marks)

16. (a) Discuss in detail the SQL Injection.

Or

(b) Demonstrate in Hacking in web services with neat diagram.

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