

B.E. / B.Tech. - DEGREE EXAMINATIONS, NOV/DEC 2022

Fifth Semester

Computer Science and Engineering

20CSEL502 - CYBER FORENSICS

(Regulations 2020)

Duration: 3 Hours

Max. Marks: 100

PART - A (10 × 2 = 20 Marks)

Answer ALL Questions

- | | <i>Marks,
K-Level,CO</i> |
|---|------------------------------|
| 1. Define Identity theft. | 2,K1,CO1 |
| 2. Define the term 'HACKING'. | 2,K1,CO1 |
| 3. Summarize Hardware Forensic Tools with Software Forensic Tools. | 2,K2,CO2 |
| 4. Define Encrypting File System (EFS). | 2,K1,CO2 |
| 5. Define Bit Shifting with an example. | 2,K1,CO3 |
| 6. Illustrate the roles of Client and Servers in E-mail investigations. | 2,K3,CO3 |
| 7. Compare Virus Vs Worms. | 2,K2,CO4 |
| 8. Define Foot Printing. | 2,K1,CO4 |
| 9. Illustrate about the term 'spoofing'. | 2,K3,CO5 |
| 10. Define Denial of Service and its types. | 2,K1,CO5 |

PART - B (5 × 13 = 65 Marks)

Answer ALL Questions

11. a) Examine the traditional Computer crimes associated with Cyber Forensics. 13,K1,CO1
- OR**
- b) Describe Incident Response Methodology and the six steps associated with it. 13,K2,CO1
12. a) Explain in detail about the following 7,K2,CO2
 (i) Computer Forensics Software Tools. 6,K2,CO2
 (ii) Computer Forensics Hardware Tools.
- OR**
- b) Illustrate how the processing of an incident or a crime scene takes place in cyber forensics. 13,K2,CO2

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13. a) Explain E-mail Investigations in detail. 13,K2,CO3

OR

b) Compute how mobile devices play a crucial role in forensics by :

(i) Basics of mobile Forensics 5,K3,CO3

(ii) Inside Mobile Devices 4,K3,CO3

(iii) Inside PDAs 4,K3,CO3

14. a) Explain briefly about Malware Threats and its types. 13,K2,CO4

OR

b) Explain the scanning methodology in detail. 13,K2,CO4

15. a) Discuss about Social Engineering and its functionalities. 13,K2,CO5

OR

b) Describe about Vulnerability Analysis. 13,K2,CO5

PART - C (1 × 15 = 15 Marks)

16. a) Explain briefly about Ethical Hacking and its methods. 15,K2,CO6

OR

b) Summarize Web Application Attacks. 15,K2,CO6