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Question Paper Code: BCS006



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

M.Tech II Semester End Examinations (Supplementary) - January/February, 2018

Regulation: IARE-R16

CYBER SECURITY

(Computer Science and Engineering)

Time: 3 Hours

Max Marks: 70

Answer ONE Question from each Unit

All Questions Carry Equal Marks

All parts of the question must be answered in one place only

UNIT – I

1. (a) What are the different types of Web Attacks? Explain in detail. [7M]
(b) Briefly describe the categories of cybercrime. [7M]
2. (a) Define web server and Explain the working of web server using its architecture? [7M]
(b) Briefly discuss the nature and scope of cybercrime. Mention its disadvantages. [7M]

UNIT – II

3. (a) What is mail bomb? Describe the process using an example? [7M]
(b) Briefly explain public key cryptography and its application. [7M]
4. (a) What do you mean by obscenity in internet? What is the penalty and punishment as per Indian IT act for publishing of information which is obscene in electronic form? [7M]
(b) Explain the different types of viruses. [7M]

UNIT – III

5. (a) What standard practices and steps you should follow for cybercrime investigation? [7M]
(b) What is the role of the client and server in e-mail? What kind of evidence can be collected from client and server for email investigation? [7M]
6. (a) Briefly explain the process of tracking an IP-address? What are the challenging issues which makes the tracking difficult? [7M]
(b) Explain in detail the process of E-mail investigation with suitable examples. [7M]

UNIT – IV

7. (a) What is packet Sniffer? How it is used for network forensics. [7M]
(b) What is hashing algorithm? What is the use of hashing algorithm for data acquisition? [7M]
8. (a) What do you mean by validation and discrimination? Explain the various techniques of validation and discrimination. [7M]

(b) Briefly explain digital signature, its purposes and applications. [7M]

UNIT – V

9. (a) What are the basics of Indian Evidence Act IPC. Explain [7M]

(b) Explain in detail how large scale applications are protected from unauthorized users. [7M]

10. (a) Explain the various evidence handling procedures in databases and their applications in real world. [7M]

(b) Explain electronic communication privacy act and give its applications. [7M]

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