

CBCS SCHEME

USN

--	--	--	--	--	--	--	--	--	--

16/17MCA354

Third Semester MCA Degree Examination, Dec.2018/Jan.2019 Cyber Security

Time: 3 hrs.

Max. Marks: 80

Note: Answer FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Define cyber crime. Discuss the types of attack with respect to cyber crime. (06 Marks)
b. Who are cyber criminals? Explain. (05 Marks)
c. Discuss about the cyber crime against organization. (05 Marks)

OR

- 2 a. What is cyber defamation? Explain. (06 Marks)
b. How criminals plan the attack? Discuss in detail. (10 Marks)

Module-2

- 3 a. How Proxy servers and Anonymizers are used in cyber crime? (08 Marks)
b. Discuss about password cracking tools. (08 Marks)

OR

- 4 a. Explain the types of computer viruses. (07 Marks)
b. How to protect the systems from Trojan Horses and Backdoors? (03 Marks)
c. How to minimize buffer overflow? Discuss. (06 Marks)

Module-3

- 5 a. What is Phishing? Discuss the techniques used for Phishing. (08 Marks)
b. Define identify theft. Explain the types of identity theft. (08 Marks)

OR

- 6 a. Define digital forensic science. Discuss the need for computer forensics. (08 Marks)
b. Explain digital forensic life cycle with necessary diagram. (08 Marks)

Module-4

- 7 a. How pipes and redirection are used in UNIX commands? (08 Marks)
b. What is Mac Ports? Discuss the role of Mac ports in an operating system. (08 Marks)

OR

- 8 a. Write short notes on windows power shell. (05 Marks)
b. Explain the role of NetCat in networking environment. (06 Marks)
c. What is secure shell? (05 Marks)

Module-5

- 9 a. What is Firewall? How a Firewall protects a network? (08 Marks)
b. Differentiate between stateless and stateful firewall. (04 Marks)
c. List the two common network security software components which equate to the functionality of a firewall. (04 Marks)

OR

- 10 a. Discuss the basics of virtual private networks. (08 Marks)
b. Explain the Linux system firewall. (08 Marks)

* * * * *

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.