

CBCS Scheme

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16/17SFC11

First Semester M.Tech. Degree Examination, June/July 2018 Ethical Hacking

Time: 3 hrs.

Max. Marks: 80

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

Module-1

- 1 a. What is foot printing? List the different environments and the critical information an attacker will try to identify. (08 Marks)
b. Discuss detection of operating system and probes sent to identify operating system on the target system. (08 Marks)

OR

- 2 a. What is banner grabbing? Discuss AS/400 error messages provided by shalom. (08 Marks)
b. Discuss DNS enumeration counter measures. (04 Marks)
c. List and explain common Net BIOS service codes. (04 Marks)

Module-2

- 3 a. What is vulnerability mapping? List and explain different methods used by an attacker to accomplish this task. (04 Marks)
b. With neat diagram explain contents of security descriptor. (04 Marks)
c. Discuss common type of remote attacks. (08 Marks)

OR

- 4 a. Discuss different types of access control. (08 Marks)
b. Explain working of DACL. (08 Marks)

Module-3

- 5 a. What is war dialing? Briefly discuss the different considerations for war dialing. (08 Marks)
b. Discuss dial up security measures in detail. (08 Marks)

OR

- 6 a. List the important factors need to be identified for Brute-force scripting. (08 Marks)
b. List and explain guidelines to keep your private information private. (04 Marks)
c. Briefly explain how RIP attack works. (04 Marks)

Module-4

- 7 a. Briefly discuss wireless scanning and enumeration. (08 Marks)
b. Discuss various ways to obtain SSID. (08 Marks)

OR

- 8 a. Explain packet filtering in detail. (08 Marks)
b. Bring out the important features of DOS attack. (08 Marks)

Module-5

- 9 a. What are the features focused by web application attacks? List and explain common tools used to perform web application hacking. (08 Marks)
b. Discuss various SQL injection counter measures. (04 Marks)
c. Explain recommended approaches for preventing cross site scripting attacks. (04 Marks)

OR

- 10 a. Write a note on the following:
(i) SSL (ii) E-mail hacking. (08 Marks)
b. Explain different categories of web server vulnerabilities. (08 Marks)

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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.