

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
EIGHTH SEMESTER B.TECH DEGREE EXAMINATION, MAY 2019

Course Code: EC466
Course Name: CYBERSECURITY

Max. Marks: 100

Duration: 3 Hours

PART A

Answer any two full questions, each carries 15 marks.

Marks

- | | | |
|---|--|------|
| 1 | a) What is vulnerability scanning? Explain the process with its architecture. | (7) |
| | b) Explain the structure of OpenVAS. | (8) |
| 2 | a) Explain how Metasploit helps to target a system and how this tool helps an attacker to compromise a system. | (10) |
| | b) Describe Socat as a Network vulnerability scanning tool? | (5) |
| 3 | a) What is Wireshark? | (5) |
| | b) List the features and disadvantages of Wireshark. | (5) |
| | c) Explain the role of cygwin in Netcat | (5) |

PART B

Answer any two full questions, each carries 15 marks.

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| 4 | a) Explain the term Firewall? How does Firewall help in ensuring cyber security? | (8) |
| | b) Explain the working concepts of Linux and Windows Firewall | (7) |
| 5 | a) Explain about John The Ripper Tool | (10) |
| | b) What do you understand by SQL Injection Attack? Explain the role of Webgoat in protecting web applications. | (5) |
| 6 | a) What do you understand by Snort Intrusion Detection System? Give a brief description on how it enforces security? | (10) |
| | b) Describe W3af as a tool for scanning web vulnerabilities | (5) |

PART C

Answer any two full questions, each carries 20 marks.

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| 7 | a) "Understanding and implementing Incident Response can reduce the risk of cyber attacks." Explain | (10) |
| | b) Write a short note on the problems associated with cyber crimes | (5) |
| | c) Describe Cyber Crimes | (5) |

- 8 a) What are the different types of Spywares available? (3)
b) What are Keyloggers? Differentiate between hardware and software keyloggers (7)
c) Explain the different types of Firewalls. (10)
- 9 a) What are the different phases in Digital Forensics? (10)
b) Explain the various attacks targeted on wireless networks (10)



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