Code No: 825AE

R15

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
MCA V Semester Examinations, April/May - 2019
ETHICAL HACKING

Time: 3 Hours   **Max. Marks: 75**

Note: This question paper contains two parts A and B.
Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART - A

                                                                            5 × 5 marks = 25
1.a)   Give a brief note on Social-Engineering Counter measures.   [5]
  b)   List and explain the Steps Involved in Performing Enumeration.   [5]
  c)   Write the Steps in Performing Session Hijacking.   [5]
  d)   How does a Password Cracker Work? Discuss.   [5]
  e)   What type of file is used to create a Linux live CD?   [5]

PART - B

                                                                           5 × 10 marks = 50
2.a)   List and explain the types of Hacker Classes.
  b)   What is Vulnerability Research? Explain.   [5+5]
OR
3.a)   With the help of neat diagram, explain the Phases of hacking.
  b)   How Trace route is used in Foot printing? Explain.   [5+5]

4.   Discuss the various TCP Communication Flag Types.   [10]
OR
5.a)   Explain the different Types of Passwords Passive Online Attacks.
  b)   Give a brief note on Steganography Technologies.   [5+5]

6.a)   List and explain the Types of Session Hijacking.
  b)   Compare and contest the Virus and a Worm.   [5+5]
OR
7.a)   Discuss the Prevention of Session Hijacking.
  b)   Explain the types of DoS Attacks.   [5+5]

8.   With the help of neat diagram, explain the stages of a web application attack.   [10]
OR
9.a)   Discuss the Stack-Based Buffer Overflows.
  b)   Illustrate the Web Application Threats.   [5+5]

10.a)   Why is it important to use a known good distribution of Linux?
   b)   Give a brief note on Linux Hardening Methods.   [5+5]
OR
11.   What GCC command is used to compile a C++ file called source into an executable file called game? Explain in detail.   [10]