

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION- 2025

M.Tech-II Semester (CSE/IT)

COURSE CODE (CREDITS): 18M1WCI113(3)

MAX. MARKS: 25

COURSE NAME: Cyber Warfare & Cyber Crime

COURSE INSTRUCTORS: Dr. Rakesh Kanji

MAX. TIME: 1 Hour 30 Min

Note: (a) Attempt any 5.

(b) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

Q.No	Question	CO	Marks
Q1	Examine the advantages of using SYN based port scanning by cybercriminal. Provide some commands on this scanning. How nmap -sS -T3 192.168.1.1 is useful?	CO3	2+2+1
Q2	Purpose of wevutil for cybercriminal. Identify some remedy against this tool. How Encase tool works?	CO6, CO4	2+2+1
Q3	Investigate the memory architecture to find the scope of buffer overflow attack. Discuss the remedy of this attack.	CO6, CO4	3+2
Q4.	Why SQL injection is possible? Discuss any type of implementation of SQL injection. Describe about the cyberstalking.	CO4	1+2+2
Q5.	Explain the idea of DOS attack. Apply Hash collision to occur this attack. Write the script to implement http flood attack or Slowris attack. Provide the most intense type for DNS amplification.	CO4, CO3	1+1+2+1
Q6.	Summarize the key objectives of Reconnaissance. Provide the Common Techniques in Active Reconnaissance. Implement the banner grabbing and its mitigation.	CO6, CO4	1.5+1.5+2
Q7.	Identify the fields for Suspicious Domains via whois lookup. Discuss the methodology for implementing Botnet and Steps in Machine Learning-Based Botnet Detection.	CO6, CO4	2+3