



GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY
(AN AUTONOMOUS INSTITUTION)
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
(Accredited by NAAC with "A" Grade, NBA (EEE,ECE & ME) & ISO9001:2008 Certified Institution)

QUESTIONBANK(DESCRIPTIVE)

Subject Name with Code: (22A3706T)

Course & Branch: B.TECHCSE(CS)

Year& Semester: III-II Regulation: RG22

UNIT - I

S.No.	Question	[BT Level] [CO][Marks]
2 Marks Questions (Short)		
1.	What is OSINT?	L1/CO1/2M
2.	Describe the primary purpose of Port Scanning?	L2/CO1/2M
3.	What are Nessus Policies?	L1/CO1/2M
4.	What do you mean by traffic Capturing?	L1/CO1/2M
5.	Discuss Nessus Policies?	L2/CO1/2M
6.	Discuss WHOIS?	L2/CO1/2M
7.	Illustrate the different Web Application Vulnerabilities?	L3/CO1/2M
8.	Solve client-side exploitation?	L3/CO1/2M
9.	Predict the different types DNS Lookup Tools?	L3/CO1/2M
10.	Apply the various Common Tools for Port Scanning?	L3/CO1/2M
Descriptive Questions (Long)		
11.	Discuss Open Source Intelligence (OSINT). What are offensive and defensive OSINT search resources with example?	L2/CO1/10M
12.	Discuss the different types of port scanning techniques and their implications in network security.	L2/CO1/10M
13.	What are Nessus Policies, and how do they contribute to effective vulnerability management?	L1/CO1/10M
14.	Describe Web Application Scanning Manual Analysis?	L2/CO1/10M
15.	Explain how a Cross-Site Scripting (XSS) attack targets the client side of a web application.	L1/CO1/10M
16.	Explain in details about networking for traffic capturing using Wireshark in Kali Linux?	L1/CO1/10M
17.	Describe Web Application Scanning Manual Analysis?	L2/CO1/10M
18.	Write a short notes on: a) Nessus Policies b) Google hacking database (GHDB).	L2/CO1/10M

UNIT - II

S.No.	Question	[BT Level] [CO][Marks]
2 Marks Questions (Short)		
1.	Discuss Java Zero day vulnerability.	L3/CO2/2M
2.	Describe Social Engineering Attacks?	L3/CO2/2M
3.	What are Various Techniques for Bypassing Antivirus?	L3/CO2/2M
4.	What is Exploit of Software Vulnerabilities?	L3/CO2/2M
5.	What is a buffer overflow?	L1/CO2/2M
6.	Describe Rainbow Tables?	L3/CO2/2M

7.	What is Exploit?	L3/CO2/2M
8.	Describe the SQL injection attack ?	L3/CO3/2M
9.	Explain client-side exploitation?	L1/CO3/2M
10.	Explain the Backtrack?	L3/CO3/2M
Descriptive Questions (Long)		
11.	a)Explain the online and offline password attack with example? b) Describe Social Engineering Attacks and prevention in details?	L2/CO2/10M
12.	Apply client-side exploitation and its significance in cyber security?	L3/CO2/10M
13.	Discuss the methods and techniques used in social engineering attacks, and how to defend against them?	L2/CO2/10M
14.	Describe the concept of bypassing antivirus applications and the techniques used to evade detection?	L2/CO3/10M
15.	Apply are various techniques for Bypassing Antivirus? Explain any FIVE techniques with examples?	L3/CO2/10M
16.	Describe the purpose and functionality of Metasploit payloads in penetration testing?	L2/CO3/10M
17.	Apply the purpose and process of port scanning, and how attackers use it to identify potential targets?	L3/CO2/10M
18.	Explain in details about networking for traffic capturing using Wireshark in Kali Linux?	L2/CO2/10M
19.	What is Buffer Overflow? Explain why it is more harmful for organization with C language program?	L1/CO2/10M

UNIT - III

S.No.	Question	[BT Level] [CO][Marks]
2 Marks Questions (Short)		
1.	What is the primary security difference between wired and wireless communication?	L1/CO4/2M
2.	Illustrate are Privacy Protocols in wireless security?	L3/CO4/2M
3.	What is WPA2, and why is it important in wireless security?	L1/CO4/2M
4.	Illustate the main purpose of encryption in wireless security?	L3/CO4/2M
5.	What is a Wireless Denial of Service (DoS) attack?	L1/CO4/2M
6.	What is a deauthentication attack in wireless security?	L1/CO4/2M
7.	Apply the difference between WPA and WEP in terms of security?	L3/CO4/2M
8.	Solve the Wireless DoS attacks be mitigated?	L3/CO4/2M
9.	Apply the Wireless Frame Generation?	L3/CO4/2M
10.	Describe the tool commonly used for cracking wireless encryption?	L2/CO4/2M
Descriptive Questions (Long)		
11.	Compare and contrast the security aspects of wired and wireless communication?	L2/CO4/10M
12.	Discuss the importance of privacy protocols in wireless security and provide examples of commonly used protocols?	L3/CO4/10M
13.	Describe common encryption techniques used in wireless security and their role in protecting data?	L2/CO4/10M
14.	Explain the concept of Wireless Denial of Service (DoS) attacks and their impact on wireless networks?	L4/CO4/10M
15.	Explain the importance of secure configuration and management of wireless access points (APs) in preventing security breaches?	L2/CO4/10M

UNIT - IV

S.No.	Question	[BT Level] [CO][Marks]
2 Marks Questions (Short)		

1.	What is the Simple Mail Transfer Protocol (SMTP) used for?	L4/CO5/2M
2.	What is a common vulnerability associated with SMTP?	L2/CO5/2M
3.	What is the File Transfer Protocol (FTP) used for?	L4/CO5/2M
4.	What is a major security risk of using FTP?	L2/CO5/2M
5.	What is the Trivial File Transfer Protocol (TFTP) primarily used for?	L3/CO5/2M
6.	Why is TFTP considered insecure?	L2/CO5/2M
7.	What is the HyperText Transfer Protocol (HTTP) used for?	L3/CO5/2M
8.	What is a common vulnerability in HTTP?	L2/CO5/2M
9.	What is a DNS spoofing attack?	L2/CO5/2M
10.	What is a SYN flood attack?	L2/CO5/2M

Descriptive Questions (Long)

11.	What is DNS? What are the services provided by DNS and explain how it works?	L2/CO5/10M
12.	Write short notes on the following: a)FTP b) TFTP?	L2/CO5/10M
13.	What is electronic E-mail? Describe in brief about hacking of system using virus attack using SMTP?	L2/CO5/10M
14.	Dynamic Host Configuration Protocol(DHCP)?	L2/CO5/10M
15.	Light Weight Directory Access Protocol(LDAP)?	L2/CO5/10M
16.	Briefly discuss about the operational model of HTTP and HTTPS?	L2/CO5/10M
17.	Explain about Simple Network Management Protocol (SNMP) with example?	L2/CO5/10M

UNIT - V

S.No.	Question	[BT Level] [CO][Marks]
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2 Marks Questions (Short)

1.	What is the purpose of a traceroute?	L2/CO6/2M
2.	How does Neotrace help in network diagnostics?	L1/CO6/2M
3.	What is Whatweb used for in web security?	L1/CO6/2M
4.	What is Access Control in database systems?	L1/CO6/2M
5.	What is Inference Control in the context of database security?	L2/CO6/2M
6.	What is Multilevel Database Security?	L1/CO6/2M
7.	What is the primary function of a database firewall?	L1/CO6/2M
8.	What is Role-Based Access Control (RBAC) in database systems?	L2/CO6/2M
9.	What is an SQL injection attack, and how does it impact databases?	L1/CO6/2M
10.	What is the significance of encryption in database security?	L1/CO6/2M

Descriptive Questions (Long)

11.	Explain following with example a)Traceroutes b) Neotrace?	L2/CO6/10M
12.	Explain following with example A }Whatweb b)Use in Security	L2/CO6/10M
13.	What do you mean by Database security? Explain why it is so important for organization?	L2/CO6/10M
14.	Describe various Access control in database systems with examples?	L2/CO6/10M
15.	Write a short notes on:	L3/CO6/10M

	a) Inference Control DBMS. b) Multi level database security?	
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Signature of the Staff: A.Ramesh

Signature of Department Academic Committee Member 1:

Signature of Department Academic Committee Member 2:

Signature of Department Academic Committee Member 3: