

## Computer Security System

1. Attempt all questions in brief:

Qno.	Questions	Marks	Co
a.	How can avoid computer viruses?	2	
b.	What is access control entry?	2	
c.	What makes a strong password?	2	
d.	What is computer impersonation?	2	
e.	What is firewall?	2	
f.	What are the elements of cyber security?	2	
g.	Explain the brute force attack?	2	
h.	Who are hackers?	2	
i.	Explain vulnerabilities in network security?	2	
j.	Explain the difference between stream cipher and block cipher?	2	

2. Attempt any three of the following:

a.	Explain honeypots and its types in details?	10	
b.	How to prevent CSRF attacks and also explain man in the middle attack?	10	
c.	What are common methods of authentication for network security?	10	
d.	What is SQL injection and how it can be prevented?	10	
e.	Explain DDoS attack in details?	10	

3. Attempt any one part of the following:

a.	Explain Cryptography? What is the difference between Diffie Hellman and R.S.A?	10	
b.	What is Phishing and how it can be prevented?	10	

4. Attempt any one part of the following:

a.	What is SSL? Which is more secure SSL and HTTPS?	10	
b.	Explain the process of D.N.S. Also explain what is the need of D.N.S monitoring?	10	

5. Attempt any one part of the following:

a.	What is a CIA triad and what are the difference between asymmetric key cryptography and symmetric key cryptography?	10	
b.	Explain the process of digital signature and certificate authentication.	10	

6. Attempt any one part of the following:

a.	Write a short note on: 1. Physical security. 2. Web security	10	
b.	What is information security and also explain components of information security?	10	

7. Attempt any one part of the following:

a.	What are deliberate software attacks? Explain each one of them in details.	10	
b.	Explain Risk Assessment with the example?	10	