

## B.Sc. Semester-6 Examination

SE 311

Computer Science (B)

Time : 2-30 Hours]

April-2023

[Max. Marks : 70

**Q:1 Write the Following.**

- (i) What is DOS? Explain basic DOS commands. (7)  
 (ii) Explain computer security models. (7)

**OR**

- (i) What is security attacks? Explain with types. (7)  
 (ii) What is the need of cyber security? Explain in detail. (7)

**Q:2 Write the Following.**

- (i) Explain the interrelated components of the computing environment. (7)  
 (ii) Explain CIA triad model. (7)

**OR**

- (i) Explain the concept of firewall in detail. (7)  
 (ii) Explain perkerian haxad model. (7)

**Q:3 Write the Following.**

- (i) What is security governance? Explain management roles and functions. (7)  
 (ii) What is cryptography? Explain with types in detail. (7)

**OR**

- (i) Explain any one algorithm of cryptography. (7)  
 (ii) Give the difference between private and public key. (7)

**Q:4 Write the Following.**

- (i) What is cyber crime? Explain the origin & history of cyber crime. (7)  
 (ii) How cyber crime and information security are related with each other? Explain (7)

**OR**

- (i) Give classification of cyber crime with Indian perspective. (7)  
 (ii) Explain different kind of hackers. (7)

**Q:5 Attempt any seven out of twelve.****(14)**

1. What is the main purpose of security audit?
2. List out the scope of security audit.
3. DOS stands for...
4. What is computer security?
5. What is information security?
6. What is information assurance?
7. List out the steps to implement cyber security.
8. List out the application of cryptography.
9. What is cipher text?
10. What is cyberterrorism?
11. What is logic bomb?
12. What is cyber law?

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