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(20524)

Roll No.

BCA-VI Sem.

18026

B.C.A. Examination, May-2024

COMPUTER NETWORK SECURITY

(BCA-601)

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt questions from **all** the sections as per instructions.

Section-A

Note : Attempt any **three** questions. Each question carries **3** marks. Very short answer is required.

1. What is the difference between HTTPs & HTTP? 3
2. Discuss about various types of Intruders. 3

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3. What is a proxy firewall? 3
4. What are the roles of Public and Private key? 3
5. Define the term 'Integrity'. 3

Section-B

Note : Attempt any **two** questions.

6. What are the security protocols? Discuss the benefits of IP sec. 7.5
7. What is Authentication? What are the various authentication techniques. 7.5
8. Explain Secure Electronic Transaction. 7.5

Section-C

Note : Attempt any **three** questions.

9. Briefly explain the private & public key cryptography. Define public key cryptography with RSA. 15

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10. Explain Kerberos. What are the authentication requirements defined by Kerberos? 15
11. What is firewall? Describe how firewall can be used to protect the network? 15
12. What is Intruder. Explain Intrusion detection system. Write some measures used for Intrusion detection. 15
13. Write short notes on **three**: $5 \times 3 = 15$
- (a) SSL
 - (b) X.509
 - (c) Digital signatures
 - (d) SNMP
 - (e) Virus & Related threats