



RZ-003-004603

Seat No. _____

B. Sc. (I.T.) (Sem. VI) (CBCS) Examination

March - 2019

**CS - 32 : Network Management & Information
Security
(Old Course)**

Faculty Code : 003

Subject Code : 004603

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

1 Attempt the Following : 20

- (1) Give Full Form of DNS.
- (2) What is Integrity?
- (3) Give Full Form of UDP.
- (4) Give definition of Cryptography.
- (5) Give Full Form of ICMP.
- (6) What is Audit?
- (7) Give Full Form of MIB.
- (8) What is Ping?
- (9) Give Full Form of TCP.
- (10) What is Cookie?
- (11) Give Full Form of RARP.
- (12) What is Logic Bomb ?
- (13) Give Full Form of SNMP.
- (14) What is Traceroute ?
- (15) Give Full Form of L2TP.
- (16) What is Authentication ?
- (17) Give Full Form of PPTP.
- (18) What is ISP ?
- (19) What is TrapDoors ?
- (20) Give Full Form of IPSEC.

- 2** (A) Attempt any **three** : **6**
- (1) Explain Threats in brief.
 - (2) Explain IP Spoofing.
 - (3) Briefly Explain ESP Internet Key Exchange.
 - (4) Explain Worms and Bacteria.
 - (5) Explain Importance of Security Policies.
 - (6) Briefly Explain Unauthorized Access.
- (B) Attempt any **three** : **9**
- (1) Give Difference between Symmetric-Key Cryptography v/s Asymmetric Key Cryptography.
 - (2) Explain Privacy and Digital Certificates.
 - (3) Briefly Explain Confidentiality and Trojan Horses
 - (4) Explain Smurf Attacks and Teardrop Attacks.
 - (5) Explain different Security Strategies.
 - (6) Explain RSA and Diffie - Hellman Algorithm.
- (C) Attempt any **two** : **10**
- (1) Explain Virtual Private Network Technology.
 - (2) Write note on Types of Authentication.
 - (3) Explain OSI Model in detail.
 - (4) Explain TCP Sweeps, Basic Port Scans and SYN Flood.
 - (5) Explain Encryption and Decryption Algorithm.
- 3** (A) Attempt any **three** : **6**
- (1) Explain How virus work on Internet.
 - (2) Briefly Explain Cross Over Error Rates.
 - (3) Explain Buffer Overflow.
 - (4) Explain Password Authentication.
 - (5) Briefly Explain Firewalls.
 - (6) Explain Basic Requirements for Cryptography.

- (B) Attempt any **three** : **9**
- (1) Explain Plain Text and Cipher Text.
 - (2) Explain Brute Force and Dictionary Attacks.
 - (3) Explain Password Policy and Discipline.
 - (4) Explain Passport and Web Tracking Work.
 - (5) Explain TCP Session Hijacking.
 - (6) Briefly Explain Proxy Server.

- (C) Attempt any **two** : **10**
- (1) Explain different Network Management System in detail.
 - (2) Write note on Security Services.
 - (3) Explain Different types of BioMetrics Techniques.
 - (4) Explain False Rejection, False Acceptance and Cross Over Error Rates.
 - (5) Write note on Single Sign-on-Kerberos and Alternate in detail.
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