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**BV—18—2016**

**FACULTY OF COMPUTER STUDIES**  
**M.Sc. (SAN) (Fourth Semester) EXAMINATION**  
**NOVEMBER/DECEMBER, 2016**  
**(New/Revised Course)**  
**SYSTEM ADMINISTRATION AND NETWORKING**  
Paper SAN-403  
(Network Security)

**(Tuesday, 22-11-2016)**

**Time : 2.00 p.m. to 5.00 p.m.**

*Time—Three Hours*

*Maximum Marks—75*

*N.B. :— (i) All questions are compulsory.*

*(ii) Assume suitable data, if necessary.*

1. Attempt any *three* of the following : 15
  - (a) Explain need for security in detail.
  - (b) Explain concept for DNS.
  - (c) Explain model for network security.
  - (d) Explain open source firewall.
  - (e) Proxy server.
  
2. Answer the following : 15
  - (a) What is principle of security ?
  - (b) Explain types of Attack.
  - (c) Explain VLAN configuration.
  - (d) Explain digital signature.
  
3. Solve the following : 15
  - (a) Explain OSI security architecture.
  - (b) Explain types of virus.
  - (c) Explain substitution techniques.
  - (d) Spanning.

P.T.O.

4. Answer the following (any *three*) :

15

- (a) What is firewall ? Explain.
- (b) What is Steganography ?
- (c) Explain cyber sqcuting.
- (d) Explain concept for meta tag.

5. Write short notes on any *three* :

15

- (a) Encryption and decryption
- (b) Trojans virus
- (c) Passive attack
- (d) Wi-Fi
- (e) Router Configuration.