HAF-003-004603 Seat No. _____

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

June / July – 2017

CS-32 : Network Management & Information Security

Faculty Code : 003

Subject Code : 004603

Time : $2\frac{1}{2}$ Hours] [Total Marks : **70**

SECTION – I

1 Attempt the following : **20**

1) IAB stands for _____

2) Full Form of RFC.

3) On which layer SMTP, FTP, SNMP protocols are working?

4) Which layer is responsible for dialog control and synchronization?

5) SNMP stands for _____.

6) In TCP, herder of IP contains _____ bytes.

7) When packet could not delivered _____ error will generate.

8) _____ is a procedure for identifying active host on a network.

9) A Mechanism to protect private networks from outside attack is -

10) IKE stands for _____

11) The data link layer is responsible for moving _____ from node to the next. [bit? or frame?]

12) Ping stands for _____

13) FRR stands for _____

14) Cipher text means _____

15) In Asymmetric key _____ key is used for encryption. (public? or private?)

16) MIB provides _____ for client.

17) Full Form of VPN.

18) _____ is used to find the physical address of the node when its internet address is known.

19) In which type of attack into which cracker tries every possible password?

20) _____ is connection oriented protocol.

SECTION – II

2 (A) Attempt any **three** : **6**

(1) Explain MIB.

(2) Explain Authentication. Explain with types.

(3) Explain ARP and RARP.

(4) Explain AH and ESP.

(5) Explain Configuration management.

(6) Explain attribute of information security.

(B) Attempt any **three** : **9**

(1) Explain VPN.

(2) Explain false rejection rate and false acceptance rate.

(3) What is biometrics? Types of biometrics.

(4) Explain SSO.

(5) Explain Fault management.

(6) Explain IP.

(C) Attempt any **two** : **10**

(1) Explain PPTP and L2TP.

(2) Explain web tracking with example.

(3) Explain SA in detail.

(4) Explain OSI model.

(5) Explain DNS.

3 (A) Attempt any **three** : **6**

(1) What is Parental Control?

(2) What is TCP Sweeps?

(3) Explain Buffer over flow in short.

(4) Write a detail on MTU.

(5) What is Ping?

(6) Explain ICMP.

(B) Attempt any **three** : **9**

(1) Write a short note on brute force and dictionary attack.

(2) Explain RSA

(3) Briefly firewall.

(4) Explain tunneling.

(5) Explain Smurf Attack.

(6) Explain digital certificate.

(C) Attempt any **two** : **10**

(1) Explain IP Spoofing.

(2) Explain Password Policies and Discipline.

(3) Explain message confidentiality with symmetric key.

(4) Explain Kerberos based Authentication.

(5) Explain malicious software.
