

END TERM EXAMINATION

SIXTH SEMESTER [BCA] MAY- JUNE 2015

Paper Code: BCA-314

Subject: Computer Network &
Information Security

Time: 3 Hours

Maximum Marks: 75

Note: Attempt any five questions including Q.No 1 which is compulsory.

- Q1 Differentiate between:- (5x5=25)
(a) Information security and Network security
(b) Cryptography and Digital Signature
(c) Internet and Virtual private network
(d) SNMP V1 and SNMP V2
(e) Symmetric and asymmetry cryptography
- Q2 (a) Discuss the various attributes of information security. (8)
(b) Discuss about Confidentiality, Integrity and availability. (4.5)
- Q3 Explain RSA and SHA 1 technique using an example for each cryptographies technique. (12.5)
- Q4 Discuss the following Network attack: (12.5)
(a) IP spoofing
(b) DOS attack
(c) Teardrop attack
- Q5 (a) Discuss the various Network scanning tools in details. (6.5)
(b) Explain SYN Flood in brief. (6)
- Q6 (a) Discuss the various types of Firewalls. Explain each of them in detail. (6.5)
(b) Draw a neat ICMP Packet and explain. (6)
- Q7 (a) Differentiate between Virus, Worm and Trojan attack. (6)
(b) Differentiate between Block and Stream cipher. (6.5)
- Q8 Write short note on any two:- (6.5x2=12.5)
(a) Tunneling using IPSec.
(b) TCP session and TCP sweeps.
(c) Web security requirements.

P