Roll No. ☐☐☐☐☐☐☐☐☐☐☐

Total No. of Questions : 07

Total No. of Pages : 2

BCA (Only 2015 Batch) (Sem.–6)
INFORMATION SECURITY
Subject Code : BSBC-604
Paper ID : [75014]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

SECTION-A

1. Answer briefly :

a) Define vulnerability.

b) What is role based security in an organization?

c) What are various approaches to information security?

d) Define VIRUS.

e) What is SSE-CMM?

f) What are different types of firewall?

g) List various security laws.

h) What is need of IPR?

i) What is public and private key?

j) Define role of cryptography.

SECTION-B

Q2 What is information security? What is its need? Explain various principles of information security.

Q3 Write notes on the following :

a) Web security and authentication.

b) PGP and its significance.

Q4 What is access control and intrusion detection? Explain various international security standards.

Q5 Explain the following :

a) Digital signature and its significance.

b) Steganography in information security.

Q6 What is RSA algorithm? Explain its working by taking suitable example.

Q7 What is security system development life cycle? Explain.