

Roll No.

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Total No. of Pages : 2

Total No. of Questions : 07

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.