67215

MCA 5th Semester (New) for full subject candidates Examination– December, 2013

Computer Security

Paper MCA-505

Time : 3 hours   **Max. Marks : 80**

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

Note : Attempt **five** questions in all by selecting at least **one** questions from each Unit. All questions carry equal marks.

UNIT – I

1. What is Encryption ? How to make good Encryption algorithm ? Explain DES and AES algorithm with example.   16

2. What do you understand by Cryptography ? What is a substitution cipher ? Explain various substitution techniques with example.   16

UNIT – II

3. What is a malicious program ? What are various targeted malicious codes ? Explain security methods in detail.   16

4. What is protection in general purpose operating system ? Explain object, method of protection and file protection mechanisms.

16

UNIT – III

5. Explain the following :

(a) Database security   5

(b) Security requirements   5

(c) Reliability and sensitive data.   6

6. What is security in network ? Discuss in details the following :

    (a) Firewall   8

    (b) Intrusion detection and sensitive data.   8

UNIT – IV

7. Write on the following :

    (a) Organizational security policies.   5

    (b) Physical security and legal privacy.   5

    (c) Ethical issues in computer security.   6

8. What are rights of employees and employers ? What is software failures and computer crime ? Explain ethical issues in computer security.

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