

8. (a) What are organizational security policies ?
Discuss their relevance in the current scenario. 8
- (b) What are ethical issues in computer security ?
Illustrate. 8

Roll No.

67215

**MCA 5th Semester (with old notes)
Examination – December, 2016**

COMPUTER SECURITY

Paper : MCA-505

Time : Three Hours]

[Maximum 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 examination.

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

UNIT – I

1. What is computer security ? What are its goals and objectives ? How vulnerabilities, threats, attacks and control measures are inter-related ? Illustrate through a suitable example. 16

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2. (a) How do you compare DES and AES ? Illustrate suitability of each standard. 8
- (b) What characteristics would make an encryption absolutely unbreakable ? What characteristics would make an encryption impractical to break ? Explain. 8

UNIT – II

3. (a) What are security models ? What is the purpose of these models ? Explain two popular models highlighting properties that characterize these models. 8
- (b) What are different security methods for an operating system ? Illustrate. 8
4. (a) What is program security ? What are important security concerns specific to programs ? Illustrate relevance of each. 8
- (b) What is trusted operating system ? What characterizes a good trusted operating system ? Explain. 8

UNIT – III

5. (a) What are various levels of protection that users might apply to code or data ? Illustrate. 8
- (b) What are IDSs ? What are its types ? What are their goals ? Discuss. 8
6. (a) What is security in networks ? What are threats in networks ? How can these be controlled ? Illustrate. 8
- (b) What are multilevel database ? What is the purpose of encryption in a multilevel secure DBMS ? Discuss. 8

UNIT – IV

7. (a) What is protection for computer objects ? Compare Copyright, Patent and Trade Secret Protections. 8
- (b) What do you understand by a security plan ? What are the factors that should be considered when developing a security plan ? Discuss. 8