

**UNIT – IV**

8. (a) What are Ethical issues in computer security ?  
How these are useful and used ? Discuss with  
examples. 8
- (b) Explain security planning with suitable examples.  
8
9. Explain the following with examples : 8 each
- (a) Protecting programs and data
- (b) Software failure and its solutions

Roll No. ....

**67245**

**MCA 5th Semester Current Scheme  
(With New 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 : Question No. 1 is compulsory. Attempt four more questions, selecting one question from each Unit.*

1. Answer the following questions briefly : 2 × 8 = 16

- (a) Define cryptography.
- (b) What is targeted malicious code ?
- (c) Explain multilevel security and its advantages.
- (d) Discuss computer crime briefly.

- (e) Explain legal privacy briefly.
- (f) Describe reliability with examples.
- (g) What is risk analysis ?
- (h) Explain viruses and their remedy briefly.

**UNIT – I**

- 2. (a) What are AES encryptions ? How these are useful and used ? Discuss its algorithm with examples. 8
- (b) Discuss uses and advantages of computer security with examples. 8
- 3. Explain the following briefly with suitable examples : 16
  - (a) Good encryption algorithms
  - (b) Data Encryption standards

**UNIT – II**

- 4. (a) What is program security ? How is it useful and used ? Explain with suitable examples. 8

- (b) Discuss trusted operating system design with examples. 8

- 5. Describe the following with examples : 16
  - (a) Security models and their relative merits.
  - (b) Security methods for an operating system

**UNIT – III**

- 6. (a) What are intrusion detection systems ? How these are useful and used ? Explain with suitable examples. 8
- (b) Discuss security controls for E-mail with suitable examples. 8
- 7. Explain the following with examples : 16
  - (a) Firewalls, their types and advantages
  - (b) Threats in networks and network security