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MCS-215

**MASTER OF COMPUTER
APPLICATION (MCA-NEW)**

Term-End Examination

June, 2023

MCS-215 : SECURITY AND CYBER LAWS

Time : 2 Hours

Maximum Marks : 50

Note : (i) *Question Number 1 is compulsory and carries 20 marks.*

(ii) *Attempt any three questions from question nos. 2 to 5.*

1. (a) Explain any *five* security issues in cyberspace. 5

(b) What are the *three* governing principles of data security ? Explain how these *three* principles can be implemented. 6

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- (c) Explain any *two* strategies of regulating the Internet. 4
- (d) What is the meaning of Intellectual Property ? Explain the following forms of intellectual property : 5
- (i) Copyright and related rights
 - (ii) Patents
2. (a) How can technology be used to answer the following security issues ? 2+2+1
- (i) Unauthorized access
 - (ii) Malwares
 - (iii) Phishing
- (b) What is the use of cryptography ? Explain the concept of substitution cipher with the help of an example. 5
3. (a) Explain the concept and uses of digital signature and digital certificates. 5
- (b) Explain the following terms : 5
- (i) Security audit
 - (ii) Security policy

4. (a) What is the purpose of using filtering devices and rating system on the Internet ? Discuss the offences in the context of regulation of cyber law content in India. 5
- (b) List the *four* categories of cyber crimes. List various cyber crimes of each category. How is cyber crime different from traditional crime ? 5
5. (a) What is cyber forensics ? Explain with the help of an example. 5
- (b) What is Trademark ? What are the different types of remedies available against infringement of trademark ? 5