

JK Lakshmipat University Jaipur
INSTITUTE OF ENGINEERING AND TECHNOLOGY

End Term Examination (Regular), April- May 2015
B.Tech. + M.Tech and M.Tech in Computer Science and Engineering, Semester II

Roll No.....

MTCS222: Information Security & Cyber Law

Time: 03 hours

Max. Marks: 100

Instructions to students:

1. Do not write anything other than your roll number on question paper.
2. Assume suitable data wherever required and mention it clearly.
3. Writing appropriate units, nomenclature, and drawing neat sketches/schematics/ flow chart wherever, required are an integral part of the answer.

Q.1A Objective type multiple choice questions (10 questions @ 1 mark)

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- i. Computer software can be
 - a) copyrighted in India
 - b) patented in India
 - c) both copyrighted and patented in India
 - d) both copyrighted and patented in the United States of America
- ii. Two ways data can be secured are:
 - a) Physical and Software safeguards.
 - b) Use of Passwords and Electronic Doors
 - c) Use of Monitoring systems and Storage of data in another building.
 - d) Encryption of data and protection of hardware.
- iii. Hacking under the Information Technology Act 2000 means
 - a) Unauthorized access to another person's computer system.
 - b) Deleting information stored in another person's computer system.
 - c) Knowingly or intentionally deleting information stored in another person's computer system.
 - d) Knowingly or intentionally deleting valuable information stored in another person's computer system.
- iv. A document that grants the holder exclusive rights on an invention for a fixed number of years is:
 - a) A trademark.
 - b) A patent.
 - c) A copyright.
 - d) A brandmark.
- v. Which of the following is independent malicious program that need not any host program?
 - A) Trap doors
 - B) Trojan horse





- C) Virus
D) Worm
- vi. The main purpose of the data protection act is:
a) To protect personal privacy.
b) To prevent viruses.
c) To reduce project failures.
d) To increase the security of computer systems.
e) None of the above.
- vii. A copyright gives the owner all of the following rights **EXCEPT**:
a) The right to copy the work.
b) The right to print the work as a book.
c) The right to publish the work on the Internet.
d) The right to privacy.
- viii. The advantage of using a digital watermark on digitally distributed music is:
a) Digital watermarks stop digital music from being copied from one computer to another.
b) Digital watermarks make it possible to identify who is passing around pirated versions of music downloaded from the Internet.
c) Digital watermarks send notification to the publisher every time a downloaded song is copied to another computer.
d) Digital watermarks shut down the computer of a person trying to send a digitally downloaded song to a non-paying computer.
- ix. is a distribution method to judge the software whether it is good or bad before you pay for it.
a) Shareware
b) Freeware
c) Non-freeware software
d) D. Public domain software
- x. To maintain confidentiality of data and to promote integration of data is called as.....
a) Security
b) Privacy
c) Liability
d) D. Accountability

Q.2 Short answer type questions (4 questions @ 2.5 marks)

10

- i. Define the term 'Hacking'?
ii. Define the term 'Cyber Squatting'?
iii. Define the term 'Online Contracts'?
iv. Define the term 'passive advertisement'?

Q.3A What are the procedural directions given by Hon'ble Supreme Court of India for 05

initiating telephone tapping?

- Q.3B Explain the Role of Government in regulating the Internet Censorship? 05
- Q.4A What is the necessity of Tax in Corporate finance and explain the regulations relating to corporate Financial services? 05
- Q.4B What are the statutory requirements for maintenance and registration of Domain Name? 05
- Q.5A Examine the concepts of data file sharing technology in peer-to-peer networks and implication on cyber copyrights? 05
- Q.5B Discuss Bin Laden's role in incorporating the internet in his terrorist group? 05
- OR
- Q.5B What is Biometrics? Explain its importance as an effective device for curbing the virus attacks in the networking security system 05
- Q.6A Explain in detail the public key functioning and Protection provided by it under the Electronic Signature? 05
- Q.6B What can law enforcement agencies do to enhance their investigative capabilities? 05
- Q.7A A young lady named Ritika Adjania found her profile in an online community named "1worldcom" on its website 1worldcom.net. Her surprise turned to horror when she realized that the profile painted her as a person of dubious character whose only interest was money. The profile also "boasted" of her achievements which included defrauding a bank of Rs.10 lakh and getting away with it. 10
- Ritika immediately informed "1worldcom" of the posting and requested them to remove it. The posting was removed the next day but reappeared a week later. It was again removed but reappeared two days later. Deeply hurt, Ritika filed a suit for defamation against "1worldcom". With reference to jurisprudence of defamation cases, examine the liability of "1worldcom."
- OR
- Rakesh had an appointment with Dr. Mina Lahoti at the Wockhardt Hospital, Mumbai. While waiting for Dr. Lahoti, Rakesh remembered that he had to email a document (that he was carrying in a floppy) to his office. As he looked around, he realized that there was a computer at the reception desk, which was switched on. However, the receptionist was nowhere to be seen.
- Rakesh immediately inserted the floppy disk containing the document into the floppy drive of the computer at the reception desk. Just then, the receptionist entered and saw Rakesh at the computer. She immediately called



the security guards and intimated the manager about the incident. The manager wants to take legal action against Rakesh for unauthorized access. Advise the manager.

Q.7B Briefly discuss the growing problem of the advertisement of gambling sites? 05

OR

Q.7B Explain the provisions relating to Infringement of Intellectual Property rights? 05

Q.8A What are some emerging issues in the area of high tech crime? Why are these problematic and what proactive measures can be implemented to lessen their negative impact? 05

Q.8B , Where should investigator look for evidence in computer related cases? 05

OR

Q.8B Has the technology changed the face of organized crime? 05

Q.9A How do contemporary hackers vary from their predecessor? 05

Q.9B Write short notes on any four of the following : 10

- i) Remote Login Procedure
- ii) Secure Operating Systems
- iii) Website authors and Secure Sites
- iv) Search Engines
- v) Ethics and characters in Cyber space
- vi) Security in WI-FI.

