

CS 301 Test 2 Practice

Total points 32/52 ?

This is a practice test for the second exam. There are practice questions for material covered in Chapters 2-6 of Sara Baase's "A Gift of Fire." They will be similar to those found on your second exam. Some of these questions are ones reworded from the various textbook presentations.

This practice test should be used as a supplement for your own studies, as some material for the test may not be covered in these questions. Reviewing the presentations provided by your peers for their textbook presentations are also a good source of studying for this exam, as well as listening to their presentation recordings. The Laws and Cases study guide we created is also another good study source.

Chapter 2: Privacy

Section score 9/12

2.1: Privacy Risks and Principles

✓ What is NOT a key aspect of privacy? *

1/1



☐ Freedom from intrusion- Being left alone

- ☒ Freedom from the law ✓
- ☐ Freedom of controlling information about yourself
- ☐ Freedom from surveillance

✓ What is the primary application of companies collecting large amounts of search query data? * 1/1

- ☒ Manipulating user search results and creating targeted advertisements ✓
- ☐ Alerting the authorities to suspicious searches

✓ What is a technology used to track users that is commonly found in smart phones? * 1/1

- ☐ General Postal Service
- ☐ General Positioning Service
- ☒ Global Positioning System ✓
- ☐ Global Postal Service

2.2: The Fourth Amendment, Expectation of Privacy, and Surveillance Technologies

✓ What does the fourth amendment protect? * 1/1

- ☒ A right to privacy ✓



- ☐ A right to free speech
- ☐ A right to bear arms
- ☐ A right to fair trial

✓ What U.S. Supreme Court case allowed a wiretap without a court order, arguing that the 4th Amendment only applied to physical intrusion? *

- ☐ Smith v. Maryland, 1979
- ☒ Olmstead v. United States, 1928
- ☐ Katz v. United States, 1967
- ☐ Miller v. United States, 1976

✓

2.3: The Business and Social Sectors

✓ What is the right to be forgotten? *

1/1

- ☐ The right to have access to your own data
- ☐ The right to controlling the availability of your own data
- ☐ The right to anonymity on the internet
- ☒ The right to have your data removed from the internet

✓

✗ What is willingly given up by users when using social networking sites? *

0/1



☐ Credit card/financial information

☐ Credit card/financial information

☐ Personal information

☒ Their freedom of speech

✗

☐ Their right to privacy

Correct answer

☒ Personal information

✓ What is NOT a means by which users can protect their personal information online? *

1/1

☐ Encrypt your information

☐ Use fake/alterd information when real information is not absolutely necessary

☐ Understand the risks associated with online services and make smart decisions accordingly

☒ Give your information to trusted individuals who can help you protect yourself online

✓

2.4: Government Systems



✓ What is a government agency seeks to fix problems with how the government handles and leaks information? *

1/1

☐ Government Accountability Office (GAO)

☒ Government Accountability Office (GAO) ✓

☐ Department of Defense (DoD)

☐ Government Anonymity Office (GAO)

☐ United States Information Protection Agency (IPA)

✓ What is the Privacy Act of 1974? *

1/1

- ☒ Governs the collection, use, maintenance, and release of personal information kept in government records ✓
- ☐ Declares that all United States citizens have a right to a certain degree of privacy
- ☐ Declares that citizens must release some private information in the event of a national crisis requiring this information
- ☐ Governs the right of companies to collect personal information and use it for commercial purposes

2.5: Protecting Privacy: Technology, Markets, Rights, and Laws

✗ Which of the following is false about encryption? *

0/1

- ☐ Utilizes a cryptographic algorithm to convert information from being readable into an incomprehensible mess to those who lack the code

- ☐ It is impossible to break an encrypted code without a key
- ☒ Money laundering is a common criminal activity ties to encryption ✗
- ☐ Encrypted messages are possible to break without need of its specific key
- ☐ Other:

Correct answer

- ☒ It is impossible to break an encrypted code without a key

2.6: Communications



✗ What is the Electronic Communications Privacy Act of 1986? * 0/1

- ☒ Allows the government to monitor electronic sources for information, such as computers, wiretapping, etc. ✗
- ☐ Prevents the transfer of user private information via electronic means.
- ☐ Prevents the government from monitoring electronic sources of information, such as computers, wiretapping, etc.
- ☐ Allows the transfer of user private information via electronic means.

Correct answer

- ☒ Prevents the government from monitoring electronic sources of information, such as computers, wiretapping, etc.



Chapter 3: Freedom of Speech

Section score 5/10

3.1: Communications Paradigms

✗ Which of the following best describes the Telecommunications Act of 1996? * 0/1

- ☒ Internet service providers can be sued for the content used through them ✗
- ☐ Deregulation of service areas to prevent company monopolies
- ☐ Internet service providers are not responsible for content used through them
- ☐ A person agrees to be monitored as soon as they sign a contract with an Internet service provider
- ☐ Phone-tapping is not a violation of freedom of speech in certain situations

Correct answer

- ☒ Internet service providers are not responsible for content used through them

✓ Which of the following best describes the Children's Internet Protection Act? * 1/1

☐ It is illegal to distribute obscene material to minors

- ☐ It is illegal to distribute obscene material to minors
- ☐ It is illegal for commercial websites to give harmful information to minors
- ☐ Internet service providers must ban violent online games
- ☒ Schools and libraries must install content-filtering software to block obscene material from children ✓
- ☐ Parents are required by law to monitor their children's use of the Internet

3.2: Controlling Speech

✓ According to the decision of *Miller v. California*, what makes a piece of material obscene? * 1/1

- ☐ It depicts sexual acts that are illegal by state law
- ☐ It depicts acts in an offensive manner judged by a reasonable person within the community
- ☐ It has no serious literary, artistic, social, political, or scientific value
- ☒ All of the above ✓
- ☐ None of the above

✓ Which of the following is NOT true about spam? * 1/1

- ☐ Spam is unsolicited bulk emails, tweets, messages, and/or phone calls



- ☒ It is legal to use deceptive practices in spam emails ✓
- ☐ Spam can cause issues with fraud
- ☐ Spam can be used to spread viruses
- ☐ A way to reduce spam is to charge for sending emails

3.3: Posting, Selling, and Leaking Sensitive Material

✗ Which of the following is NOT a responsibility of operators of websites for leaks? * 0/1

- ☐ Get permission from the government to run such a site
- ☐ Avoid abuse of the website
- ☐ Have sufficient security to protect whistleblowers
- ☒ Have policies for handling law enforcement ✗
- ☐ Verify authenticity of leaks

Correct answer

- ☒ Get permission from the government to run such a site

3.4: Anonymity

✗ What is the purpose of a pseudonym? * 0/1

- ☐ To give credit someone for creating content they did not actually create

- ☐ To protect oneself when publishing controversial material
- ☐ To legally change one's name
- ☐ To help someone apply for a new job
- ☒ None of the above

✗

Correct answer

- ☒ To protect oneself when publishing controversial material

✗ Which of the following is NOT a use of anonymity? *

0/1

- ☐ Preventing embarrassment
- ☐ Protecting criminals
- ☒ Helping companies keep secrets
- ☐ Framing someone
- ☐ Spreading rumors

✗

Correct answer

- ☒ Framing someone

3.5: The Global Net -- Censorship and Political Freedom



✓ What is the government of a free country allowed to do in the case of a violent threat? *

1/1



☐ Confiscate mobile devices

- ☐ Compromise mobile devices
- ☐ Cause an intentional blackout
- ☐ Tap into phone and online conversations
- ☒ Block any form of communication ✓
- ☐ All of the above

3.6: Net Neutrality Regulations or the Market?

✓ Which of the following is an argument in favor of net neutrality? * 1/1

- ☐ It will make the Internet faster
- ☒ It will allow everyone to use the Internet equally ✓
- ☐ It will help fund Internet service providers
- ☐ It will help to decrease cyber-crime
- ☐ It will help more people afford computers

✗ Which of the following is an argument in favor of the free market approach? * 0/1



☐ It will help the economy

☐ It will help the economy

☒ It will increase diversity on the Internet

×

☐ It will make online content easier to access

☐ It will encourage poorer people to invest in computers

☐ It will help children learn at home

Correct answer

☒ It will help the economy

Chapter 4: Intellectual Property

Section score 8/14

4.1: Principles, Laws, and Cases



× Which of the following would NOT be protected under copyright law? * 0/1



☐ A movie

☐ A movie

☐ A piece of artwork

☒ A piece of software

✗

☐ The method/process of creating a product

Correct answer

☒ The method/process of creating a product

✓ The answer to the previous question would instead be protected by a patent. *

1/1

☒ True

✓

☐ False

✗ Which of the following is NOT an online copyright act? *

0/1

☐ U.S. Digital Millennium Copyright Act (DMCA)

☐ Online Copyright Act of 2011

☐ No Electronic Theft Act of 1997

☒ Copyright Act of 1909

✗

Correct answer

☒ Online Copyright Act of 2011

✓ Which of the following was a significant legal case regarding copyright? *

1/1

☐ Brown v. Board of Education

☐ BROWN V. BOARD OF EDUCATION

☐ United States v. Bhagat Singh Thind

☐ Virginia v. Loving

☒ MGM v. Grokster



✗ Which of the following is NOT true about Fair Use? *

0/1

☐ Large amounts of original copyrighted work are allowed to be used in derivative works

☒ Allows the use of copyrighted material for educational purposes or for parodies



☐ Derivative works should preferably be non-profit and promote the original work

Correct answer

☒ Large amounts of original copyrighted work are allowed to be used in derivative works

4.2: Responses to Copyright Infringement



✓ What does DRM stand for? *

1/1



☐ Digital Rights Movement

☐ Digital Restrictive Monetization

☐ Digital Rights Monetization

☒ Digital Rights Management



✗ What is a cyberlocker? *

0/1

☐ A program that allows users to store private information online for safe but easy access

☒ A Trojan program that restricts internet access if downloaded accidentally ✗

☐ A security program that protects computers from online viruses

☐ An online storage platform of easy accessible information and files to all users

Correct answer

☒ An online storage platform of easy accessible information and files to all users

4.3: Search Engines and Online Libraries



✓ Which of the following was decided in Field v. Google? *

1/1



☐ Search engines cannot show copyrighted material in results

- ☒ Caching web pages is fair use ✓
- ☐ Using images for thumbnails in search results is not infringement
- ☐ Search engines cannot give suggestions without addressing copyrights first
- ☐ Users of search engines are allowed to bypass copyright laws

✓ Which of the following was decided in Kelly v. Arriba Soft? * 1/1

- ☐ Search engines cannot show copyrighted material in results
- ☐ Caching web pages is fair use
- ☒ Using images for thumbnails in search results is not infringement ✓
- ☐ Search engines cannot give suggestions without addressing copyrights first
- ☐ Users of search engines are allowed to bypass copyright laws

4.4: Free Software

✓ What is free software? * 1/1

- ☐ Software that has no cost
- ☐ Software that is considered "open source"
- ☐ Software that can be copied and modified by anyone
- ☐ Software that follows copyleft
- ☒ All of the above ✓

✓ Which of the following is NOT a problem associated with free software? * 1/1

☐ Many versions

- ☐ Many versions
- ☐ Not as user friendly
- ☒ Must be modified before use
- ☐ No tech support
- ☐ All of the above



4.5: Patents for Inventions in Software



✗ Which of the following can be patented? *

0/1

- ☐ Laws of nature
- ☐ Assembly line processes
- ☐ Mathematical formulas
- ☒ Obvious inventions
- ☐ Novels



Correct answer

- ☒ Assembly line processes

✗ Which of the following was decided in Bilski v. Kappos? *

0/1

- ☐ Broadened what "obvious" means for rejecting patents



- ☐ Patents last for twenty years
- ☐ Patents cannot be given for abstract ideas
- ☒ Computer code can be patented ✗
- ☐ A person cannot hold more than two patents

Correct answer

- ☒ Patents cannot be given for abstract ideas

✓ What is a patent troll? *

1/1

- ☐ Someone who sells fake patents
- ☒ A company or person who purchases many patents to make money from patent lawsuits ✓
- ☐ A company that illegally creates patents
- ☐ Someone who creates patents just different enough from existing ones to get away with it
- ☐ None of the above

Chapter 5: Crime

Section score 6/8

✓ The term "hacker" had a different meaning when it was originally coined. Which of the following would reflect this meaning? * 1/1



- ☒ Someone who devises clever pieces of code and finds new ways to innovate old software. ✓
- ☐ Someone who sends emails containing malware to infect others computers and destroy systems.
- ☐ Someone who manipulates computer programs in order to access information they do not have access to.
- ☐ Employees of a foreign government attacking systems in other countries to gain intel.

✓ Which of the following is NOT a modern form of hacking today's information systems? * 1/1

- ☐ Denial of service attacks
- ☐ Spreading Internet worms and viruses
- ☐ Stealing credit card information
- ☒ Phone phreaking ✓

✓ What is the difference between a white hat hacker and a black hat hacker? * 1/1

Δ white hat hacker is hired by a company to find software vulnerabilities ✓

- ☒ A white hat hacker is hired by a company to find software vulnerabilities while a black hat hacker is an independent individual looking to exploit a company's software vulnerabilities. ✓
- ☐ A white hat hacker is an independent individual looking to exploit a company's software vulnerabilities while a black hat hacker is hired by a company to find software vulnerabilities.
- ☐ A black hat hacker hacks systems to bring to light problems in a company's software while a white hat hacker tries to steal information.
- ☐ Both a white hat hacker and a black hat hacker try to steal, damage, and destroy information on computer systems.

✓ Which of the following is not a method used by criminals to steal identities on the Internet? ^{1/1} *

- ☒ Vishing ✓
- ☐ Phishing
- ☐ Pharming
- ☐ Malware

✓ Which of the following is a method that a bank would use to improve security of their website and prevent identity theft of their customers? ^{1/1} *



- ☐ Asking for extra login information
- ☐ Geographic location tools
- ☐ Risk detection based on customer logins
- ☐ Authenticating customers through the devices they use
- ☒ All of the above

✓

✓ True or False: Biometrics are used to improve security of an individual's personal data and cannot be fooled. *

1/1

- ☐ True
- ☒ False

✓

✗ Which of the following is not an issue when it comes to international jurisdiction on the Internet? *

0/1



Constant advancement of technology makes it difficult for law makers to

- ☐ Constant advancement of technology makes it difficult for law makers to keep up with legislation.
- ☐ Companies in other countries can infringe on material copyrighted in another country without punishment.
- ☒ Different freedom of speech laws make it hard to determine what can and cannot be displayed online in other countries. ✗
- ☐ Governments have organized to develop policies dealing with international cyber crimes and prosecuting perpetrators.

Correct answer

- ☒ Governments have organized to develop policies dealing with international cyber crimes and prosecuting perpetrators.

✗ Which of the following is used by law enforcement in order to catch and punish hackers in the United States? * 0/1

- ☐ The Computer Fraud and Abuse Act
- ☒ The United States Patriot Act ✗
- ☐ Undercover hackers that work for law enforcement
- ☐ Honeypots
- ☐ All of the above

Correct answer

- ☒ All of the above



Chapter 6: Work

Section score 4/8

✗ Which of is NOT a long term effect of the use of computers in the work place? * 0/1

- ☐ Increased productivity due to the elimination of tedious tasks.
- ☒ Workers telecommuting from home. ✗
- ☐ More employer oversight of their employees
- ☐ Massive unemployment of workers due to increased efficiency

Correct answer

- ☒ Massive unemployment of workers due to increased efficiency

✗ The fear that computers would eliminate jobs and result in massive unemployment can be compared to which of the following: * 0/1



- ☐ Implementation of the assembly line by Henry Ford.
- ☐ Luddites burning looms in the 1800s.
- ☒ Creation of sewing machines to lower cost of dresses. ✗
- ☐ Massive unemployment after the 1929 stock market crash.

Correct answer

- ☒ Luddites burning looms in the 1800s.

✓ Which of the following is NOT a benefit of telecommuting? * 1/1

- ☐ Reduces overhead cost for employee
- ☐ Easier to work with a global economy
- ☒ Division between employees who work from home and employees who work in the office ✓
- ☐ Gives workers more time to spend with their family and their community
- ☐ More satisfied and loyal employees

✓ Which of the following is a reason companies choose to offshore workers? * 1/1

- ☒ Wages are cheaper in other countries so companies can maximize profits. ✓

☒ Wages are cheaper in other countries so companies can maximize profits. ✓

☐ Workers are more productive in other countries.

☐ There is a shortage of workers in the United States.

☐ Customer satisfaction and quality increases with offshoring.

☐

✓ Which of the following is NOT an ethical problem that results from offshoring? * 1/1

☐ Foreign workers are often treated worse than American workers.

☒ Offshoring could help keep a company in business keeping people employed in America and other countries. ✓

☐ Workers in the United States have to work at night to manage employees abroad.

☐ Companies manipulate offshore workers because they do not have the rights they would in the United States.

✗ Which of the following would be considered employee prohibited speech on personal social media? * 0/1



Bad mouthing other employees or customers



☒ Bad mouthing other employees or customers



☐ Disclosing information about clients

☐ Trash talking competitors

☐ Discussion of new products or business plans

☐ All of the above

Correct answer

☒ All of the above

✓ Which of the following Acts makes an exception for emails intercepted by business systems? *

1/1

☒ Electronic Communication Privacy Act



☐ Patriot Act

☐ Internet Privacy Act of 1970

☐ Computer Fraud and Abuse Act

✗ Why do companies choose to monitor their employees use of company systems *

0/1



☐ To protect security of company information and data



- ☒ To protect security of company information and data.
- ☐ To prevent criminal activity of employees
- ☐ To check for violation of company policy
- ☐ To prevent use of personal devices for company business
- ☐ All of the above

Correct answer

- ☒ All of the above

Feedback

Section score 0/0

Please give us feedback on how helpful you found this practice exam. Was it too easy? Too hard? How did it compare to the first practice exam? What changes would you like to see in the final practice exam?

Please rate how helpful this practice exam was:

- ☒ Very helpful



- ☐ Somewhat helpful
- ☐ Neither helpful nor unhelpful
- ☐ Somewhat unhelpful
- ☐ Very unhelpful

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