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CHAPTER 11

Ethical, Social, and Legal Concerns in Computer Usage

MCQs with Detailed Explanations

Class 9 • Computer Science & Entrepreneurship

87

MCQs

7

Sections

100%

Explained

Prepared by scholareye.xyz

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✓ Correct answers are highlighted in green with a tick. Every question has an explanation below it.

1

Introduction & Responsible Computer Usage

Q1

What does responsible computer usage primarily involve?

- A** Playing video games for long hours
- B** Making thoughtful decisions regarding hardware, software, data, and online behavior ✓
- C** Buying the most expensive computer available
- D** Sharing all your personal information online

✓ Correct Answer: B • Explanation

Responsible computer usage isn't just about using the machine; it means making thoughtful decisions. This includes selecting the right hardware and software, safeguarding your data, and using the internet in a way that respects others and avoids potential risks.

Q2

According to the "Golden Rule" of online etiquette (Online Etiquette), how should you behave online?

A Treat others as you want to be treated



B Always try to win every argument

C Share your personal information freely

D Ignore everyone you don't know

✓ **Correct Answer: A • Explanation**

The chapter highlights that the "Golden Rule" applies online too. You should treat others as you want to be treated to maintain respectful and positive interactions. This fosters a healthy digital environment.

Q3**Which of the following is considered hardware?****A** Word processing program**B** Video game application**C** **Monitor, keyboard, and CPU****D** Operating system**✓ Correct Answer: C • Explanation**

The text clearly distinguishes hardware from software. Hardware refers to the physical parts of a computer, such as the monitor, keyboard, and CPU. Software includes programs and applications, like word processors or games.

Q4**When choosing hardware and software, what does "compatibility" mean?**

- A** The hardware is cheap
- B** The hardware and software should work well together
- C** The software is the newest version
- D** The computer is a specific brand

**✓ Correct Answer: B • Explanation**

Compatibility means that the hardware and software must work well together. The text advises checking system requirements on software packages and matching them with your computer's specifications to ensure smooth operation.

Q5

Why is it important to choose the right hardware and software?

- A** It only affects the price
- B** **It affects safety, efficiency, and overall experience** ✓
- C** It prevents you from using the internet
- D** It is required by law

✓ Correct Answer: B • Explanation

Choosing the right hardware and software is vital because it affects the safety, efficiency, and overall experience of using a computer. Outdated or incompatible tools can lead to slow performance, frustration, and security risks.

Q6

What does "Cyber Hygiene" refer to in the context of computer usage?

A Cleaning the physical computer screen

B **Updating your antivirus software regularly**



C Washing your hands before typing

D Deleting all your files

✓ Correct Answer: B • Explanation

The text uses the analogy of washing hands to prevent germs. "Cyber Hygiene" means keeping your devices clean from digital viruses by regularly updating your antivirus software to prevent malware infections.

Q7

What happens if you use outdated hardware or software?

- A** It makes the computer run faster
- B** **It puts you at risk from viruses and hackers** ✓
- C** It automatically updates itself
- D** It improves your internet connection

✓ Correct Answer: B • Explanation

Using outdated or insecure hardware or software is compared to using a broken or unsafe tool. It can make it easier for viruses or hackers to steal your information because security vulnerabilities are not patched.

Q8

What is the primary goal of safe and responsible computer usage?

- A** To become a hacker
- B** **To protect personal information and avoid problems** ✓
- C** To spend as much time online as possible
- D** To download as much free software as possible

✓ Correct Answer: B • Explanation

The core purpose of safe and responsible computer usage is to protect our personal information, make smart choices about hardware/software, and behave respectfully online to avoid problems and protect ourselves and others.

2

Safe & Secure Operations, Passwords, and 2FA

Q9

What are the characteristics of a strong password?

A A short word like "password123"

B Your pet's name

C **A mix of letters, numbers, and special characters**



D Your birthdate

✓ **Correct Answer: C • Explanation**

The chapter explicitly states that a strong password typically includes a mix of letters, numbers, and special characters. Using a combination like "B3tterP@ssw0rd!" is much harder for hackers to guess than common words or personal details.

Q10**Why should you avoid using the same password for multiple accounts?**

- A** It is hard to remember
- B** **If one account is hacked, all other accounts become vulnerable** ✓
- C** It slows down the computer
- D** It is illegal

✓ Correct Answer: B • Explanation

Using unique passwords is crucial. If a hacker obtains your password from one breached site, they will try it on your other accounts (credential stuffing). A unique password ensures that a breach on one platform doesn't compromise your entire digital life.

Q11**What is Two-Factor Authentication (2FA)?****A** Using two different passwords**B** **An extra layer of security requiring a second piece of information like a code sent to your phone****C** Logging in from two devices at once**D** Having two antivirus programs**✓ Correct Answer: B • Explanation**

2FA adds an extra layer of security. After entering your password, you must provide another piece of information, such as a code sent to your phone. This makes it significantly harder for someone to hack into your account, even if they know your password.

Q12

When did Two-Factor Authentication (2FA) first emerge?**A** In the 1980s**B** In the 2000s**C** In the 1990s**D** In the 2010s**✓ Correct Answer: A • Explanation**

The "Tidbits" section notes that 2FA was first used in the 1980s but became widespread with the rise of online accounts in the 2000s.

Q13**How often does Microsoft release major updates for Windows?****A** Every week**B** **Every six months****C** Every year**D** Every day**✓ Correct Answer: B • Explanation**

The text highlights that Microsoft releases major updates for Windows every six months, demonstrating how frequently technology needs to be refreshed to maintain security and functionality.

Q14**Why are regular software updates crucial for device security?**

- A** They add new games
- B** They often include important security fixes that protect against new threats
- C** They make the computer slower
- D** They delete your files

**✓ Correct Answer: B • Explanation**

Software updates are not just for new features. They are critical for safety because they contain security patches. These fixes close loopholes that hackers could exploit to access your device.

Q15

What is the risk of clicking on unknown links or downloading files from untrusted sources?

A Your computer might run faster

B

You might download malware that can damage your device or steal information



C You will get free software

D Your internet will disconnect

✓ Correct Answer: B • Explanation

Clicking unknown links or downloading untrusted files can introduce malware (malicious software) to your device. This can lead to data theft, system damage, or unauthorized access to your personal information.

Q16 What is "malware"?

A A type of computer hardware

B Harmful software that damages your device or steals personal information



C A secure network protocol

D A cloud storage service

✓ **Correct Answer: B • Explanation**

The text defines malware as harmful software. It is often disguised in links or downloads and can damage your device, steal your data, or disrupt your computer's operations.

Q17**Why is it recommended to avoid using public Wi-Fi for sensitive transactions?**

- A** Public Wi-Fi is always too slow
- B** **Public Wi-Fi networks, like those in cafes, are often less secure**
- C** Public Wi-Fi costs money
- D** Public Wi-Fi drains your battery

**✓ Correct Answer: B • Explanation**

Public Wi-Fi networks are often unsecured, meaning hackers on the same network could intercept your data. The chapter strongly advises avoiding sensitive activities like online banking on public Wi-Fi, recommending you wait until you are on a secure, private network at home.

Q18

What should you do if you notice suspicious logins from unfamiliar locations on your account?

- A** Ignore it and hope it goes away
- B** **Change your password immediately and report the activity to the platform** ✓
- C** Delete your account
- D** Share your password with a friend to check

✓ Correct Answer: B • Explanation

Regularly reviewing your account activity is essential. If you spot logins from unfamiliar locations, it means your account may be compromised. You should immediately change your password and report the incident to the platform to secure your account.

Q19

What is the primary purpose of regularly backing up important data?

A To free up space on your computer

B

To ensure you don't lose important information if something goes wrong



C To make your computer run faster

D To share files with friends

✓ Correct Answer: B • Explanation

Backups act as a safety net. If your device fails, is lost, stolen, or hit by ransomware, having a backup ensures that your important files are not permanently lost. You can use an external hard drive or cloud storage like Google Drive or Dropbox.

Q20 What is "phishing"?

- A** A type of computer game
- B** Online scams designed to trick you into giving away your personal information ✓
- C** A method of speeding up your internet
- D** A way to back up data

✓ Correct Answer: B • Explanation

Phishing involves cybercriminals sending fraudulent emails or messages pretending to be legitimate companies. Their goal is to trick you into revealing sensitive information like passwords or credit card numbers. You should always be skeptical of unsolicited requests for personal information.

3

Digital Platforms, Privacy, and Responsible Behavior

Q21

What does "informed consent" mean in the context of data collection?

A You agree to share data without knowing why

B

You have the right to know how your data is being used before agreeing

**C**

The company informs you after collecting your data

D

You are forced to share your data

✓ Correct Answer: B • Explanation

Informed consent is an ethical principle emphasized in the 2004 Bioethics Commission report. It means that before collecting someone's data, the organization must clearly explain how the data will be used, and the individual must voluntarily agree to it.

Q22

Which of the following is a responsible practice on social media?

- A** Sharing your home address publicly
- B** **Avoiding sharing personal information like your phone number or address** ✓
- C** Posting your school name and daily schedule
- D** Accepting friend requests from everyone

✓ Correct Answer: B • Explanation

The chapter warns against oversharing. Posting personal details like your home address, phone number, or school name publicly on social media can be dangerous. You should always be mindful of what you share to protect your privacy and safety.

Q23

When using email, why should you be careful with attachments from unknown senders?

- A** They might be too large to download
- B** **They could contain harmful links or attachments like malware** ✓
- C** They might be in a different language
- D** They will fill up your inbox

✓ **Correct Answer: B • Explanation**

Emails from unknown senders often carry malware or phishing links. Opening these attachments or clicking links can compromise your device and personal information. Always verify the sender before engaging.

Q24

What is a key benefit of using cloud services like Google Drive or Dropbox?

- A** They store and share files online ✓
- B** They make your computer hardware faster
- C** They are completely unhackable
- D** They automatically create strong passwords for you

✓ **Correct Answer: A • Explanation**

Cloud services provide convenient online storage and file-sharing capabilities. However, the text warns that you must use them wisely, using strong passwords and avoiding the storage of highly sensitive information like financial details.

Q25**Where should you download apps to avoid harmful software?**

- A** From any website that offers free downloads
- B** From trusted sources like Google Play Store or Apple App Store ✓
- C** From pop-up advertisements
- D** From email attachments

✓ Correct Answer: B • Explanation

To minimize the risk of downloading malware, you should only download applications from official, trusted sources like the Google Play Store or Apple App Store. Third-party websites often host modified or malicious apps.

Q26

What is the purpose of privacy settings on digital platforms?

- A** To make your profile look better
- B** **To control who can see your information and interact with you online** ✓
- C** To increase your internet speed
- D** To automatically back up your data

✓ **Correct Answer: B • Explanation**

Privacy settings are essential tools that allow you to control your online presence. You can adjust them to determine who sees your posts, personal information, and profile, thereby protecting your data from unwanted attention.

Q27

Which of the following is an example of a strong, unique password?

A password123

B johnsmith1985

C **S3cur3!Passw0rd**



D 12345678

✓ **Correct Answer: C • Explanation**

"S3cur3!Passw0rd" combines uppercase letters, lowercase letters, numbers, and special characters, making it a strong password. The chapter specifically uses this as an example of a secure password compared to easily guessable ones like "password123".

Q28

What is data minimization in the context of data ethics?

- A** Deleting all your data
- B** **Only collecting the data you actually need** ✓
- C** Storing data in multiple locations
- D** Sharing data with everyone

✓ Correct Answer: B • Explanation

Data minimization is an ethical guideline stating that organizations should only collect the data necessary for their specific purpose. For example, a survey shouldn't ask for unnecessary personal details. This reduces the risk of data misuse.

Q29

What does "accountability" mean in data ethics?**A** Blaming others for data breaches**B** **Taking responsibility and informing affected individuals if something goes wrong****C** Ignoring data breaches**D** Selling data to third parties**✓ Correct Answer: B • Explanation**

Accountability is a core principle of data ethics. If a data breach occurs, the responsible organization must take ownership, inform the affected individuals, and take steps to fix the problem and prevent future occurrences.

Q30

What was the significant impact of the 2013 Yahoo data breach?

- A** It affected 3 billion accounts ✓
- B** It only affected 100 accounts
- C** It was resolved in one day
- D** It only leaked email addresses

✓ Correct Answer: A • Explanation

The text highlights the 2013 Yahoo data breach as the largest, affecting 3 billion accounts. This exposed names, email addresses, and passwords, underscoring the severe real-world consequences of poor data security.

4 Intellectual Property, Laws, and Ethics

Q31 What does Copyright protect?

A New inventions

B Original works like music, books, and movies



C Company logos and slogans

D Physical hardware

✓ Correct Answer: B • Explanation

Copyright is a legal right that gives creators control over their original works. This includes music, books, movies, and software. It prevents others from copying or distributing the work without permission.

Q32**What is the primary purpose of a Trademark?****A** To protect a new invention**B****To distinguish a company's products or services from others****C** To protect a song**D** To prevent software piracy**✓ Correct Answer: B • Explanation**

Trademarks are symbols, names, or slogans (like the Nike "swoosh") used by companies to identify their brand. They protect brand identity so other companies cannot use a similar symbol to confuse customers.

Q33 What does a Patent protect?**A** Books and movies**B** New inventions or processes**C** Company logos**D** Social media posts**✓ Correct Answer: B • Explanation**

Patents protect new inventions or processes, giving the inventor exclusive rights to make, use, or sell the invention for a certain period. This encourages innovation by allowing inventors to profit from their creations.

Q34 What is Software Piracy?

- A** Buying software legally
- B** **The illegal copying, distribution, or use of software**
- C** Updating software regularly
- D** Writing your own software

**✓ Correct Answer: B • Explanation**

Software piracy is the unauthorized copying, distribution, or use of software. When you buy software, you are purchasing a license to use it, not the software itself. Copying and sharing it without a proper license is illegal.

Q35**What is the estimated annual global cost of software piracy according to the text?****A** \$1 million**B** **Over \$46 billion****C** \$100,000**D** \$1 billion**✓ Correct Answer: B • Explanation**

The text states that software piracy is estimated to cost the global economy over \$46 billion annually. This highlights the massive financial impact on developers and businesses, hindering their ability to create and improve products.

Q36

Why is it important to respect intellectual property rights?

- A** To avoid paying taxes
- B** **To support creators and maintain a fair and legal digital environment**
- C** To get free software
- D** To make the internet faster



✓ Correct Answer: B • Explanation

Respecting intellectual property rights means understanding that copying or using someone else's work without permission is unethical and illegal. It ensures creators are fairly compensated for their work, fostering a fair and legal digital environment.

Q37**What is an example of a violation of copyright law?**

- A** Purchasing a movie ticket
- B** **Downloading movies or software without paying for them** ✓
- C** Writing a review of a book
- D** Buying a legal copy of a video game

✓ Correct Answer: B • Explanation

Downloading movies or software without paying for them is a direct violation of copyright law. It deprives the creators of their rightful revenue and is considered piracy.

Q38**What is the role of privacy laws?****A** To allow companies to share your data freely**B****To protect personal information and ensure companies handle data responsibly****C** To ban the internet**D** To increase the cost of computers**✓ Correct Answer: B • Explanation**

Privacy laws are rules set by the government to protect our personal information. They ensure that companies and organizations handle our data responsibly and give us the power to control our personal information.

Q39

What can happen if a company fails to protect your personal information?

- A** Nothing, it's not a big deal
- B** **They could be held liable and face legal penalties** ✓
- C** They will get a reward
- D** They will automatically delete all their data

✓ **Correct Answer: B • Explanation**

Privacy laws require companies to implement strong security measures. If they fail to protect your information and a breach occurs, they can be held liable and face legal penalties, as unauthorized access can lead to identity theft or fraud.

Q40**What does "transparency" mean in data ethics?**

- A** Hiding how data is used
- B** **Being clear about how data is used** ✓
- C** Selling data secretly
- D** Collecting data without consent

✓ Correct Answer: B • Explanation

Transparency is a principle of data ethics. It means organizations must be open and clear about their data collection and usage practices. Users have the right to know what happens to their data.

5

Internet Safety, Well-being, and Online Behavior

Q41

What is a recommended technique for evaluating the credibility of online information?

- A Relying on a single source
- B **Cross-checking information from multiple reliable sources**
- C Believing sensational headlines
- D Only reading social media posts



✓ Correct Answer: B • Explanation

To ensure the information you find is accurate, you should cross-check it. If several trustworthy websites agree on the same facts, the information is more likely to be accurate. Relying on a single source or sensational headlines can lead to misinformation.

Q42

Which domain is usually considered more reliable for research?

A .com

B .edu



C .net

D .biz

✓ **Correct Answer: B • Explanation**

The "Tidbits" section notes that websites with ".edu" domains are usually educational institutions and are often more reliable sources for research compared to commercial or personal websites.

Q43**How can you protect your privacy during online research on sensitive topics?****A Use private browsing or incognito mode****B** Share your personal information**C** Click on all links**D** Disable your antivirus**✓ Correct Answer: A • Explanation**

Private browsing (incognito mode) does not save your browsing history or personal information. This is particularly useful when researching sensitive topics to prevent your searches from being tracked locally on your device.

Q44 What is a sign of internet addiction?**A** Using the internet for schoolwork**B** Spending so much time online that it interferes with daily life**C** Checking email once a day**D** Watching a movie online**✓ Correct Answer: B • Explanation**

Internet addiction occurs when a person spends so much time online that it starts to interfere with their daily life, such as neglecting sleep, studies, or time with family and friends.

Q45**What is a recommended strategy to prevent internet addiction?****A** Spending more time on social media**B** **Setting time limits on your internet use****C** Buying more devices**D** Ignoring your friends**✓ Correct Answer: B • Explanation**

Setting time limits is a practical strategy. For example, deciding to spend no more than one hour on social media each day and sticking to it helps maintain a healthy balance.

Q46 What is "digital well-being"?**A** Having the most expensive computer**B** Using the internet in a way that is healthy and balanced ✓**C** Spending all day online**D** Avoiding technology completely✓ **Correct Answer: B • Explanation**

Digital well-being means maintaining a healthy and balanced relationship with technology. It involves taking regular breaks, using technology wisely, and being mindful of your mental health.

Q47

Why should you take regular breaks when using the internet for long periods?

A To rest your eyes and clear your mind



B To save electricity

C To make the internet faster

D To avoid updates

✓ Correct Answer: A • Explanation

Taking regular breaks, such as a 5-minute break every hour, is important for your physical and mental health. It rests your eyes, prevents fatigue, and helps you stay focused.

Q48 What is Cyberbullying?

A Sending nice messages to friends

B Using the internet to harm or harass others



C Playing online games

D Sharing educational content

✓ **Correct Answer: B • Explanation**

Cyberbullying involves using the internet to harm or harass others. This can include sending mean messages, spreading rumors, or posting embarrassing photos without permission.

Q49

What should you do if you experience or witness cyberbullying?

- A** Join in
- B** Report it to the platform and block the person ✓
- C** Ignore it and hope it stops
- D** Share it with more people

✓ **Correct Answer: B • Explanation**

Most social media platforms have tools to report and block users. If you experience or witness cyberbullying, you should use these tools to stop the harassment and protect yourself or others.

Q50 What is "Practice Good Online Etiquette"?**A** Being disrespectful and arguing**B** Being respectful, using polite language, and avoiding arguments**C** Spreading rumors**D** Posting false information**✓ Correct Answer: B • Explanation**

Good online etiquette means treating others with respect, just as you would in person. This includes using polite language, avoiding arguments, and not spreading rumors or false information.

Q51

If you disagree with someone's post, what is the recommended action?

- A Leave a hurtful comment
- B Express your opinion respectfully or scroll past it**
- C Report them immediately
- D Share their post to mock them



✓ **Correct Answer: B • Explanation**

The text advises that if you see a post you don't like, it's better to scroll past it than to leave a hurtful comment. If you do engage, express your opinion respectfully without insulting them.

Q52 What is "misinformation"?**A** Accurate information**B** False information that can mislead people**C** Educational content**D** A type of software**✓ Correct Answer: B • Explanation**

Misinformation is false or inaccurate information. Social media can spread misinformation quickly, such as fake news stories about health issues, leading to harmful behavior. Always verify information from reliable sources.

Q53 What is a potential risk of social networking?**A** Staying connected with friends**B** **Misinformation and cyberbullying****C** Sharing updates**D** Joining interest groups**✓ Correct Answer: B • Explanation**

While social networking has benefits like staying connected, it also carries risks. These include the spread of misinformation and the potential for cyberbullying, which can cause emotional harm.

Q54 What does "Cross-Check Information" mean?

A Checking information on a single website

B **Verifying information across multiple reliable sources**



C Ignoring information

D Sharing information immediately

✓ **Correct Answer: B • Explanation**

Cross-checking is a crucial technique for safe data searches. It means verifying the accuracy of information by checking multiple reliable sources before believing or sharing it.

Q55**Why should you be skeptical of sensational headlines?**

- A** They are always true
- B** They are often designed to grab attention and may spread false information
- C** They are written by experts
- D** They are required by law

**✓ Correct Answer: B • Explanation**

Sensational headlines are often clickbait designed to grab your attention. They frequently spread false information or "fake news." It's important to look beyond the headline and verify the facts.

6

Societal Impact, Trade-offs, and Computing Advancements

Q56

How does computing technology impact global trade?

A It makes it harder to buy and sell products

B It makes it easier to buy and sell products around the world



C It eliminates the need for money

D It only benefits local businesses

✓ Correct Answer: B • Explanation

Computing systems have transformed global trade. Online shopping platforms like Amazon, AliExpress, and Daraz allow us to purchase items from different countries easily, helping businesses manage inventory and process transactions efficiently.

Q57

What is a negative societal impact of computing technology?

- A** Improved communication
- B** **Cyberbullying and misinformation** ✓
- C** Global trade
- D** Cultural evolution

✓ **Correct Answer: B • Explanation**

While computing has many benefits, it also has negative societal impacts. Social media allows connection but can also lead to issues like cyberbullying and the rapid spread of misinformation.

Q58

What is an economic impact of computing technology?**A****It has created new industries and job opportunities****B**

It has eliminated all jobs

C

It has made computers free

D

It has stopped global trade

✓ Correct Answer: A • Explanation

Computing technology has created new industries and job opportunities, such as software development and digital marketing. However, it also affects traditional jobs through automation. Understanding these changes helps us adapt to the evolving job market.

Q59 How does computing help in cultural evolution?**A** By destroying local cultures**B** By helping share and spread cultures through platforms like YouTube and Instagram**C** By preventing people from communicating**D** By making everyone the same**✓ Correct Answer: B • Explanation**

Computing helps share and spread cultures. Online platforms like YouTube and Instagram let people from different cultures share their traditions and ideas, fostering cultural evolution and global understanding.

Q60

What is a "trade-off" between privacy and usability?

A

Stronger privacy often makes a system less convenient to use



B

Privacy always makes a system faster

C

Usability always requires giving up privacy

D

There is no trade-off

✓ **Correct Answer: A • Explanation**

There is a constant trade-off between privacy and usability. For example, requiring strong passwords and 2FA makes logging in more secure but also more time-consuming and less convenient. Balancing ease of use with strong security is essential.

Q61

What is a trade-off between security and usability?

A

High security measures can sometimes make systems less user-friendly



B

Security always makes systems easier to use

C

Usability is more important than security

D

Security and usability are the same thing

✓ Correct Answer: A • Explanation

Implementing high-security measures can sometimes make systems less user-friendly. A complex security system may be harder to navigate. It's important to design systems that are both secure and easy to use without sacrificing convenience.

Q62

What is the primary purpose of ethical guidelines for data usage?

A

To ensure data is used for the purpose it was intended and benefits the provider

**B**

To allow companies to sell data freely

C

To make data collection more expensive

D

To ignore user consent

✓ Correct Answer: A • Explanation

Ethical guidelines ensure that data is used for its intended purpose and benefits the person who provided it. Misusing data, such as selling it to third parties without consent, is unethical and can lead to a loss of trust.

Q63

What does "Data Security" mean in ethical data handling?**A** Sharing data with everyone**B** **Protecting collected data with strong passwords and encryption****C** Deleting all data**D** Storing data in public folders**✓ Correct Answer: B • Explanation**

Data security is a critical ethical guideline. It means protecting the data you collect with strong passwords and encryption to prevent unauthorized access. This is especially important for sensitive information like medical records.

Q64**Why is "Informed Consent" crucial in data collection?**

- A** It is legally required but not ethically important
- B** **It respects the individual's right to know and control how their data is used** ✓
- C** It speeds up data collection
- D** It allows companies to hide their intentions

✓ Correct Answer: B • Explanation

Informed consent is a fundamental ethical principle. It respects an individual's autonomy and right to privacy by ensuring they are fully aware of and agree to how their data will be collected, stored, and shared.

Q65**What is the consequence of unauthorized access to personal data?****A It can lead to identity theft or fraud****B** It makes the data more secure**C** It is a victimless crime**D** It improves data accuracy**✓ Correct Answer: A • Explanation**

Unauthorized access to personal data is a serious crime. It can lead to severe consequences for individuals, including identity theft, financial fraud, and emotional distress. Laws are in place to penalize such actions.

Q66 What does "Data Minimization" mean?

- A** Collecting as much data as possible
- B** Only collecting the data you actually need ✓
- C** Minimizing the cost of data storage
- D** Deleting data after one day

✓ Correct Answer: B • Explanation

Data minimization is an ethical principle that advises organizations to only collect the data necessary for their specific purpose. For example, a survey shouldn't ask for unnecessary personal details like a social security number if it's not relevant.

Q67

What is "Accountability" in the context of data breaches?**A** Blaming the user**B** **Taking responsibility and informing affected individuals****C** Ignoring the breach**D** Deleting the evidence**✓ Correct Answer: B • Explanation**

Accountability means taking responsibility for data protection. If a breach occurs, the organization must inform the affected individuals, take steps to mitigate the damage, and fix the problem. It's about doing the right thing when something goes wrong.

Q68 What is the "Golden Rule" of online etiquette?**A** Treat others as you want to be treated ✓**B** Always be anonymous**C** Share everything you know**D** Never apologize**✓ Correct Answer: A • Explanation**

The Golden Rule applies online just as it does in person. Treating others with respect and kindness helps maintain a positive and respectful online environment for everyone.

Q69

What is a key benefit of using Two-Factor Authentication (2FA)?

- A** It makes logging in faster
- B** **It adds an extra layer of security, making it harder for hackers to access your account** ✓
- C** It eliminates the need for a password
- D** It shares your data with third parties

✓ **Correct Answer: B • Explanation**

2FA significantly enhances security. Even if a hacker steals your password, they cannot access your account without the second factor (like a code sent to your phone). This makes unauthorized access much more difficult.

Q70

What is the risk of "Oversharing" on social media?

- A** You might get too many likes
- B** **Your personal information could be used against you or put you at risk**
- C** Your account might get verified
- D** You will run out of storage

**✓ Correct Answer: B • Explanation**

Oversharing personal details like your home address, phone number, or school name on social media can be dangerous. It puts your privacy and physical safety at risk. Always be mindful of what you share publicly.

7

Advanced Concepts & Comprehensive Review

Q71

Which of the following is an example of a patent?

A A new song

B A new type of smartphone



C A company logo

D A book

✓ Correct Answer: B • Explanation

Patents protect new inventions or processes. A new type of smartphone is a physical invention, so it would be protected by a patent. Songs and books are copyrighted, and logos are trademarked.

Q72

What is the consequence of software piracy for developers?

A They make more money

B **They lose money needed to continue creating and improving products**



C They get more users

D They receive free advertising

✓ Correct Answer: B • Explanation

Software piracy cheats software developers out of the money they need to continue creating and improving their products. This financial loss hinders innovation and can lead to higher prices for legitimate users.

Q73 What does "Digital Well-being" encompass?**A** Only physical health**B** Maintaining a healthy and balanced relationship with technology ✓**C** Spending as much time online as possible**D** Avoiding all digital devices**✓ Correct Answer: B • Explanation**

Digital well-being is about using the internet in a way that is healthy and balanced. It encompasses taking breaks, being mindful of your mental health, and ensuring that technology use doesn't interfere with your daily life and responsibilities.

Q74**If you feel overwhelmed by constant notifications, what should you do?**

- A** Buy a new phone
- B** **Consider turning them off for a while** ✓
- C** Ignore all messages
- D** Delete your social media accounts

✓ Correct Answer: B • Explanation

If being online makes you feel stressed or unhappy, it might be time to cut back. Turning off constant notifications is a practical step to reduce digital overwhelm and protect your mental health.

Q75

What is the difference between a trademark and a copyright?

- A** Trademarks protect inventions, copyrights protect songs
- B** **Trademarks protect brand identity (logos/slogans), copyrights protect original works (music/books)** ✓
- C** They are the same thing
- D** Copyrights protect logos, trademarks protect books

✓ **Correct Answer: B • Explanation**

Trademarks protect symbols, names, or slogans used by companies to distinguish their products (brand identity). Copyrights protect original creative works like music, books, and movies. They serve different purposes in intellectual property law.

Q76

Why is it important to verify information before sharing it on social media?

A

To avoid spreading misinformation and causing confusion

**B**

To get more likes

C

To make your post go viral

D

To support your friends

✓ Correct Answer: A • Explanation

Social media can spread false information rapidly. Verifying information from reliable sources before believing or sharing it is crucial to prevent the spread of misinformation, which can mislead people and cause harm.

Q77

What is a potential risk of using public Wi-Fi for online banking?

A The transaction might be slow

B **Hackers on the same network could intercept your sensitive data**



C The bank might charge a fee

D Your phone battery might drain

✓ Correct Answer: B • Explanation

Public Wi-Fi networks are often unsecured. Hackers on the same network can potentially intercept your data, including login credentials and financial information. It is best to avoid sensitive transactions on public Wi-Fi and wait until you are on a secure, private network.

Q78 What does "Data Ethics" primarily deal with?

- A** The physical storage of data
- B** Doing the right thing when collecting, storing, and using information ✓
- C** Writing computer code
- D** Selling data to the highest bidder

✓ Correct Answer: B • Explanation

Data ethics is about doing the right thing when it comes to data. Just because we can gather a lot of data doesn't mean we should use it in any way we want. It guides us to use information fairly, responsibly, and with respect for privacy.

Q79

What is the "Informed Consent" principle in data collection?

- A** Collecting data without telling the user
- B** **Asking for permission before collecting someone's data** ✓
- C** Informing the user after collecting data
- D** Sharing data with third parties

✓ Correct Answer: B • Explanation

Informed consent requires asking for permission before collecting someone's data. For example, a website should ask if it's okay to track your activity before doing so. This respects the user's autonomy and privacy.

Q80

What is the primary goal of "Data Minimization"?

- A** To collect as much data as possible
- B** **To only collect the data you actually need** ✓
- C** To delete all data after collection
- D** To share data with everyone

✓ Correct Answer: B • Explanation

Data minimization is an ethical guideline that states you should only collect the data necessary for your specific purpose. For example, if you're conducting a survey, don't ask for unnecessary personal details. This reduces the risk of data misuse and protects privacy.

Q81

What does "Accountability" mean in data ethics?**A** Blaming others for data breaches**B****Taking responsibility and informing affected individuals if something goes wrong****C** Ignoring data breaches**D** Selling data to third parties**✓ Correct Answer: B • Explanation**

Accountability is a core principle of data ethics. If a data breach occurs, the responsible organization must take ownership, inform the affected individuals, and take steps to fix the problem and prevent future occurrences.

Q82

How can computing technology positively impact cultural evolution?

- A** By destroying local cultures
- B** **By helping share and spread cultures through platforms like YouTube and Instagram** ✓
- C** By preventing people from communicating
- D** By making everyone the same

✓ **Correct Answer: B • Explanation**

Computing helps share and spread cultures. Online platforms like YouTube and Instagram let people from different cultures share their traditions and ideas, fostering cultural evolution and global understanding.

Q83

What is a "trade-off" between privacy and usability?

A

Stronger privacy often makes a system less convenient to use



B

Privacy always makes a system faster

C

Usability always requires giving up privacy

D

There is no trade-off

✓ **Correct Answer: A • Explanation**

There is a constant trade-off between privacy and usability. For example, requiring strong passwords and 2FA makes logging in more secure but also more time-consuming and less convenient. Balancing ease of use with strong security is essential.

Q84

What is a trade-off between security and usability?

A

High security measures can sometimes make systems less user-friendly

**B**

Security always makes systems easier to use

C

Usability is more important than security

D

Security and usability are the same thing

✓ Correct Answer: A • Explanation

Implementing high-security measures can sometimes make systems less user-friendly. A complex security system may be harder to navigate. It's important to design systems that are both secure and easy to use without sacrificing convenience.

Q85

What is the primary purpose of ethical guidelines for data usage?

A

To ensure data is used for the purpose it was intended and benefits the provider

**B**

To allow companies to sell data freely

C

To make data collection more expensive

D

To ignore user consent

✓ Correct Answer: A • Explanation

Ethical guidelines ensure that data is used for its intended purpose and benefits the person who provided it. Misusing data, such as selling it to third parties without consent, is unethical and can lead to a loss of trust.

Q86

What does "Data Security" mean in ethical data handling?**A** Sharing data with everyone**B** **Protecting collected data with strong passwords and encryption****C** Deleting all data**D** Storing data in public folders**✓ Correct Answer: B • Explanation**

Data security is a critical ethical guideline. It means protecting the data you collect with strong passwords and encryption to prevent unauthorized access. This is especially important for sensitive information like medical records.

Q87

Why is "Informed Consent" crucial in data collection?

- A** It is legally required but not ethically important
- B** **It respects the individual's right to know and control how their data is used** ✓
- C** It speeds up data collection
- D** It allows companies to hide their intentions

✓ **Correct Answer: B • Explanation**

Informed consent is a fundamental ethical principle. It respects an individual's autonomy and right to privacy by ensuring they are fully aware of and agree to how their data will be collected, stored, and shared.



Well Done!

You have completed Chapter 11

Ethical, Social, and Legal Concerns in Computer Usage

REMEMBER

- ✓ Use strong, unique passwords and 2FA
- ✓ Respect copyright, patents and trademarks
- ✓ Think before you share – verify first
- ✓ Be kind and responsible online

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Keep learning. Keep growing. Keep shining.