

Check Your Understanding

Ethics in Technology



Evaluate your learning by completing the following knowledge check items.

Multiple Choice

1/1 point (ungraded)

What distinguishes a profession from a non-professional trade?

- ☐ Non-professionals have authority over clients.
- ☒ Professions are granted unique privileges and have established codes of ethics.
- ☐ Non-professional trades have a core body of theoretical knowledge.
- ☐ Professions do not require specialized knowledge.

Answer

Correct:
Try again. Professions are distinguished by their unique privileges, such as the authority to make certain decisions or provide specific services, and they often have established codes of ethics to guide their practices.

Submit

Checkboxes

1/1 point (ungraded)

Which two aspects of an IT worker’s responsibilities involve ethical issues that might arise in the relationship between IT workers and IT users?

- ☒ Discouraging software piracy
- ☐ Breaching a contract
- ☐ Delegating administration
- ☒ Controlling information sharing

Answer

Correct:
That’s right! IT workers have an obligation to set up an environment that supports ethical behavior of the user, including discouraging software piracy.
That’s right! IT workers have an obligation to set up an environment that supports ethical behavior of the user, including avoiding inappropriate information sharing.

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Multiple Choice

1/1 point (ungraded)

What is a central theme emphasized by both the ACM and IEEE codes of ethics regarding public welfare?

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- ☒ Prioritizing the public good and environmental sustainability
- ☐ Ensuring that the technology developed is financially beneficial to stakeholders
- ☐ Focusing solely on the technical accuracy of engineering designs

Answer

Correct:

Correct! The ACM and IEEE codes of ethics emphasize the importance of prioritizing the public good and considering environmental sustainability as central to ethical engineering practices () Ensuring that the technology developed is financially beneficial to stakeholders {{Try again. While financial considerations are important, the central theme in the ACM and IEEE codes of ethics is more about prioritizing public welfare and environmental sustainability.

Submit

Multiple Choice

1/1 point (ungraded)

What is an objective of a professional code of ethics in IT?

- ☐ Define acceptable use policies
- ☐ Govern the relationship between IT workers and employers
- ☐ Identify criminal penalties for breaches of contract
- ☒ Provide benchmarks for self-assessment

Answer

Correct: That's right! A professional code of ethics in IT provides benchmarks for self-assessment.

Submit

Multiple Choice

1/1 point (ungraded)

What role do professional societies like the ACM and IEEE play in the professionalization of software engineering?

- ☐ They provide technical training for software engineers
- ☒ They help define and promote standards for the field
- ☐ They regulate the licensing of software engineers
- ☐ They focus on improving social conventions within the field

Answer

Correct: Correct! Organizations like ACM and IEEE help define standards and ethical practices in software engineering.

Submit

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Multiple Choice

1/1 point (ungraded)

What is the name of the world’s largest educational and scientific society dedicated to information technology?

- ☐ CompTIA
- ☒ ACM
- ☐ SANS
- ☐ IEEE-CS

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Multiple Choice

1/1 point (ungraded)

Which organization focuses on providing training and certification in cybersecurity?

- ☐ IEEE-CS
- ☒ SANS
- ☐ SIIA
- ☐ BSA

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Multiple Choice

1/1 point (ungraded)

What is the name of the Chicago-based IT trade organization that focuses on certification and training?

- ☐ SANS
- ☒ CompTIA
- ☐ SIIA
- ☐ Software Trade Alliance

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