

Section 5 Assessment

Ethics in Technology

Multiple Choice

1/1 point (ungraded)

What is a result of adopting green computing?

- ☐ Same power consumption
- ☐ Reduced number of hazardous materials
- ☐ Increased carbon footprint
- ☒ Safe recycling and disposal of computer equipment

Answer

Correct: Correct! One of the results of green computing is safe recycling and disposal of computer equipment.

Submit

Multiple Choice

1/1 point (ungraded)

Which certification is the global version of the Statement on Standards for Attestation Engagements (SSAE) No. 16?

- ☐ International Organization for Standardization (ISO) 31000
- ☐ False Claims Act (FCA)
- ☐ Electronic Product Environmental Assessment Tool (EPEAT)
- ☒ International Auditing and Assurance Standards Board (IAASB)

Answer

Correct: Correct! IAASB is the international version of SSAE No. 16.

Submit

Multiple Choice

1/1 point (ungraded)

How many consecutive years can an employer use an employee with an H-1B visa before the visa expires?

- ☐ 2
- ☐ 4
- ☒ 6
- ☐ 8

Answer

Ethics in Technology

Checkboxes

1/1 point (ungraded)

An organization has a project that needs to be completed quickly.

Choose 2 answers.

What are two reasons to use a contingent worker instead of a full-time employee?

- ☒ The skills required are unique for the task.
- ☐ The company has personnel with the skills.
- ☒ The company does not have time to train employees.
- ☐ The skills will be needed for future projects.

Answer

Correct:

That’s right! The necessity of unique skills is a reason to use a contingent worker.
That’s right! Contingent workers are useful when there is no time to train staff.

Submit

Multiple Choice

1/1 point (ungraded)

A company wants to dispose of 20-year-old computers and wants to find a green solution for the disposal.

Why should the company avoid throwing the computers in the garbage?

- ☐ They can be reprovisioned to another user.
- ☒ They are made of harmful materials.
- ☐ They weigh too much for employees to lift.
- ☐ They can be donated.

Answer

Correct: Correct! Computers should not be thrown in the garbage because they contain hazardous materials.

Submit

Checkboxes

1/1 point (ungraded)

An IT firm based in the United States has decided to hire employees with H-1B visas.

Choose 2 answers.

Ethics in Technology

- ☒ The employees will not displace American workers.
- ☒ The employees will make at least 95 percent of the average salary.
- ☐ The employees will have a permanent position.
- ☐ The employees will become American citizens.

Answer

Correct:

That's right! Companies that hire individuals with H-1B visas must declare that the employees will not displace American workers.
That's right! Individuals with H-1B visas must make at least 95 percent of the salary for that occupation.

Submit

Multiple Choice

1/1 point (ungraded)

Which age does the Age Discrimination in Employment Act of 1967 start protecting people?

- ☒ 40
- ☐ 45
- ☐ 50
- ☐ 55

Answer

Correct: Correct! The Age Discrimination in Employment Act of 1967 starts protecting people at age 40.

Submit

Checkboxes

1/1 point (ungraded)

Choose 2 answers.

Which two types of discrimination does the Age Discrimination in Employment Act of 1967 protect against?

- ☐ National origin
- ☐ Race
- ☒ Discharge
- ☒ Hiring

Answer

Correct:

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Submit

Multiple Choice

1/1 point (ungraded)

Which executive order prohibited employment discrimination based on race, creed, color, or national origin?

- ☒ 11246
- ☐ 12297
- ☐ 12303
- ☐ 12307

Answer

Correct: Correct! Executive Order 11246 is about discrimination in employment.

Submit

Multiple Choice

1/1 point (ungraded)

A company has created a device to test blood sugar levels. All five times the device was tested, subjects manually checked their blood sugar levels prior to the test. During each test, the manual and automated results were the same. The company decides the device works properly.

What is the source of bias in this ethics-based scenario?

- ☐ Skewed sample
- ☐ Tainted examples
- ☒ Sample size
- ☐ Limited features

Answer

Correct: Correct! Sample size relates to the amount of data collected. Testing the device five times is not enough to prove that the device works properly.

Submit

Multiple Choice

1/1 point (ungraded)

A company created a device to test blood sugar levels. The device was tested three times. Each time the device was tested, the blood sugar levels were accurate. The company decides the device works properly.

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- ☐ Test 100 times with the subjects having high blood sugar levels
- ☒ Test 100 times with half of the subjects with various blood sugar levels
- ☐ Test 100 times with the subjects having normal blood sugar levels

Answer

Correct: Correct! Testing people who have various blood sugar levels can prove consistency and accuracy.

Submit

Checkboxes

1/1 point (ungraded)

Choose 2 answers.

How can organizations avoid bias in their hiring practices?

- ☒ By identifying the protected features
- ☒ By selecting the proper fairness metric
- ☐ By ignoring data disparities
- ☐ By making requirements more specific

Answer

Correct:

That’s right! Identifying protected features will identify the attributes of candidates that should be considered to avoid bias. That’s right! Requirements can naturally create a bias in which candidates are selected.

Submit

Multiple Choice

1/1 point (ungraded)

Which philosophy is doing what is morally correct instead of following a law?

- ☐ Pluralism
- ☐ Egoism
- ☐ Altruist
- ☒ Deontology

Answer

Correct: Correct! Deontology says to do what is morally correct instead of following a law.

Submit

Ethics in Technology

Multiple Choice

1/1 point (ungraded)

What does data governance do in the context of ethics in artificial intelligence (AI)?

- ☐ It provides data encryption
- ☒ It ensures data lineage
- ☐ It increases performance
- ☐ It defines business rules

Answer

Correct: Correct! Ensuring data lineage is crucial for transparency and accountability, key elements of ethical AI practices.

Submit

Checkboxes

1/1 point (ungraded)

Which two compromises should be considered when evaluating the fairness of artificial intelligence (AI) algorithms?

- ☒ Accuracy
- ☐ Speed
- ☐ Security
- ☒ Cost

Answer

Correct:

That's right! Accuracy is critical in evaluating fairness, as biased algorithms can lead to incorrect outcomes that affect fairness. That's right! Cost is an important compromise, as implementing fair AI often requires significant resources.

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