



# ARTIFICIAL-INTELLIGENCE- FOUNDATION<sup>Q&As</sup>

Certification Artificial Intelligence

**Pass APMG International ARTIFICIAL-INTELLIGENCE-  
FOUNDATION Exam with 100% Guarantee**

Free Download Real Questions & Answers **PDF** and **VCE** file from:

<https://www.geekcert.com/artificial-intelligence-foundation.html>

100% Passing Guarantee  
100% Money Back Assurance

Following Questions and Answers are all new published by APMG  
International Official Exam Center



VCE & PDF

GeekCert.com

<https://www.geekcert.com/artificial-intelligence-foundation.html>  
2024 Latest geekcert ARTIFICIAL-INTELLIGENCE-FOUNDATION PDF and  
VCE dumps Download

- ⚙️ **Instant Download** After Purchase
- ⚙️ **100% Money Back** Guarantee
- ⚙️ **365 Days** Free Update
- ⚙️ **800,000+** Satisfied Customers





### QUESTION 1

An agent based model is a simulation of autonomous agents (individual and collective). What can be used to learn from the data generated by the simulations?

- A. Paraview.
- B. Machine Learning.
- C. Python.
- D. A spreadsheet

Correct Answer: B

An agent based model is a simulation of autonomous agents (individual and collective). Machine learning can be used to learn from the data generated by the simulations. Machine learning algorithms can analyze the data generated by

simulations and identify patterns, which can then be used to help the agent make decisions and take actions.

References:

[1] BCS Foundation Certificate In Artificial Intelligence Study Guide, "Simulation and Modelling", p.101-104.

[2] APMG-International.com, "Foundations of Artificial Intelligence"

[3] EXIN.com, "Foundations of Artificial Intelligence"

---

### QUESTION 2

What function is used in a Neural Network?

- A. Linear.
- B. Activation.
- C. Statistical.
- D. Trigonometric.

Correct Answer: B

Activation Functions An activation function in a neural network defines how the weighted sum of the input is transformed into an output from a node or nodes in a layer of the network. <https://machinelearningmastery.com/choose-an-activation-function-for-deeplearning/#:~:text=An%20activation%20function%20in%20a,a%20layer%20of%20the%20ne twork>. An activation function is a mathematical function used in a neural network to determine the output of a neuron. Activation functions are used to transform the inputs into an output signal and can range from simple linear functions to complex non-linear functions. Activation functions are an important part of neural networks and help the network learn patterns and generalize data. Types of activation functions include sigmoid, ReLU, tanh, and softmax. References: BCS Foundation Certificate In Artificial Intelligence Study Guide, <https://bcs.org/certifications/foundation-certificates/artificial-intelligence/>



### QUESTION 3

Reflex and Model-based Reflex are two types of what?

- A. Robot
- B. Artificial intelligent agents.
- C. Algorithms.
- D. Compilers.

Correct Answer: B

Reflex and Model-based Reflex are two types of Artificial Intelligent Agents. Artificial Intelligent Agents are computer systems designed to act and think in a manner similar to humans, incorporating elements of problem solving, decision-making, communication, and learning. Reflex agents are reactive agents which act based on the current environment and conditions, while Model-based Reflex agents use a model of the environment to make decisions.

References: BCS Foundation Certificate In Artificial Intelligence Study Guide, <https://bcs.org/ai/certificate/> and APMG International, <https://www.apmg-international.com/qualifications/artificial-intelligence-foundation-certificate>.

---

### QUESTION 4

The EU's Ethical Guidelines use what to demonstrate trustworthy AI?

- A. A quality assurance plan.
- B. UN's sustainability goals.
- C. Customer feedback.
- D. A human-centric value system.

Correct Answer: D

The European Union's Ethical Guidelines for Trustworthy AI use a human-centric value system to demonstrate that Artificial Intelligence (AI) is trustworthy. This value system is based on human rights, autonomy, safety, privacy, transparency,

accountability and fairness. The guidelines also state that AI should be designed, developed and used in a manner that respects these values.

References:

<https://ec.europa.eu/digital-single-market/en/news/ethical-guidelines-trustworthy-ai>

BCS Foundation Certificate In Artificial Intelligence Study Guide (2019), A.I and Ethics, Chapter 5.

---

### QUESTION 5



Tensor flow is a typical open source what?

- A. Cloud based AI application.
- B. Intelligent robot paradigm.
- C. Machine learning library.
- D. Agent based modelling application

Correct Answer: C

TensorFlow is an end-to-end open source platform for machine learning. It has a comprehensive, flexible ecosystem of tools, libraries and community resources that lets researchers push the state-of-the-art in ML and developers easily build

and deploy ML powered applications.

<https://www.tensorflow.org/#:~:text=TensorFlow%20is%20an%20end%2Dto,and%20deply%20ML%20powered%20applications.>

TensorFlow is an open source machine learning library created by Google. It is used for dataflow programming and is widely used for a variety of applications, including machine learning and deep learning. TensorFlow enables developers to

build, train and deploy machine learning models easily and quickly. It has built-in support for a variety of deep learning frameworks, such as convolutional neural networks, recurrent neural networks, and autoencoders.

For more information, please refer to the BCS Foundation Certificate In Artificial Intelligence Study Guide (<https://www.bcs.org/upload/pdf/bcs-foundation-certificate-in-artificial-intelligence-study-guide.pdf>) or the EXIN Artificial Intelligence

Foundation Certification (<https://www.exin.com/en/exams/artificial-intelligence-foundation>).

[Latest ARTIFICIAL-INTELLIGENCE-FOUNDATION Dumps](#)

[ARTIFICIAL-INTELLIGENCE-FOUNDATION Practice Test](#)

[ARTIFICIAL-INTELLIGENCE-FOUNDATION Exam Questions](#)