

Artificial Intelligence Techniques

A. Choose the correct option:

- Which of the following is not an AI type based on functionality?
 - Theory of mind
 - Machine learning
 - Deep learning
- Which of the following is a type of machine learning?
 - Supervised learning
 - Unsupervised learning
 - Both a and b
- Machines based on which concept of intelligence are capable of interacting socially?
 - Reactive machines
 - Limited memory
 - Theory of mind
- _____ are robots that look like humans.
 - Paranoids
 - Humanoids
 - Animoloids
- _____ learning occurs when a machine is fed just with data.
 - Supervised
 - Unsupervised
 - None of these

B. Fill in the blanks:

- _____ learning is based on the concept of rewards and punishments.
- The ability of a machine to think and learn is called _____.
- In _____ learning, the machine is fed with the inputs and also informed about what prediction it is supposed to do.
- Strong machine intelligence is called _____ intelligence.
- _____ is a self-driving car developed by Google's subsidiary.

C. State true or false:

- Alexa, Siri and Cortana are voice driven virtual assistants.
- Artificial Superintelligence is the highest form of AI.
- In supervised machine learning, the machines figure out patterns on their own.
- Machine learning enables a machine to learn from experience without programming it further.
- Narrow machine intelligence is also called weak intelligence.

D. Answer the following questions:

- Write a short note on the term 'Artificial intelligence'.
- Briefly describe narrow artificial intelligence.
- What is deep learning form of machine learning?

4. Explain supervised learning.
5. Write a short note on unsupervised learning.