



International Artificial Intelligence Olympiad

International Artificial Intelligence Olympiad - iAIO


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Class 6 : Sample Questions

The actual question paper contains 35 questions. The duration of the test paper is 40 minutes.

1. **What is the main reason Python is popular for learning AI?**
 - (A) It is simple to read and has many AI libraries
 - (B) It has fewer colours in its code
 - (C) It runs on only one type of computer
 - (D) It doesn't need the internet
2. **Which of the following correctly shows a Python if-else structure?**
 - (A)

```
if score > 10 then: print("Win")
```
 - (B)

```
if score > 10: print("Win")
else print("Try again")
```
 - (C)

```
if score > 10: print("Win");
else: print("Try again")
```
 - (D)

```
if score > 10:
    print("Win")
else:
    print("Try again")
```
3. **What does a neural network try to mimic in the human body?**
 - (A) Heartbeats
 - (B) Blood cells
 - (C) Neurons in the brain
 - (D) Eyes and ears
4. **Which command in Python would best display a simple message to the user?**
 - (A) `print("Hello")`
 - (B) `write("Hello")`
 - (C) `echo("Hello")`
 - (D) `display("Hello")`
5. **In an AI and IoT-based smart home, what is one example of automation?**
 - (A) Changing the TV channel manually
 - (B) A fan turning off when the room is cool
 - (C) Drawing pictures on a wall
 - (D) Watching a movie online
6. **What is the role of matplotlib in Python programming?**
 - (A) It stores passwords
 - (B) It opens websites
 - (C) It creates charts and graphs
 - (D) It makes the computer faster
7. **What is the key difference between a neuron and a perceptron in AI?**
 - (A) Neurons are slower
 - (B) Biological cell vs mathematical model
 - (C) Perceptrons only exist in biology
 - (D) Neurons use electricity, perceptrons use Wi-Fi
8. **Which of these is an example of an ethical concern in AI?**
 - (A) How long a program takes to run
 - (B) Whether an AI system collects personal information without permission
 - (C) What colours are used in an app
 - (D) If the AI can do math problems
9. **What does a simple machine learning model do with a dataset?**
 - (A) Draws images with it
 - (B) Deletes all the data
 - (C) Learns patterns and makes predictions
 - (D) Turns it into a game
10. **How does AI make IoT devices smarter?**
 - (A) It reduces their size
 - (B) It adds more sensors
 - (C) It paints them different colours
 - (D) It analyses data and makes decisions

SAMPLE QUESTION'S ANSWERS

1. (A) 2. (D) 3. (C) 4. (A) 5. (B) 6. (C) 7. (B) 8. (B) 9. (C) 10. (D)