Quiz Answer Key

This document contains all questions and their correct answers from the Online Quiz System.

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1. Python Basics Quiz

Question 1

Question: What is the correct way to create a list in Python? - A) list = (1, 2, 3) - B) list = [1, 2, 3] - C) list = {1, 2, 3} - D) list = <1, 2, 3>

Answer: B

Question 2

Question: Which keyword is used to define a function in Python? - A) func - B) function - C) def - D) define

Answer: C

Question 3

Question: Which of the following are mutable data types in Python? (Select all that apply) - A) List - B) Tuple - C) Dictionary - D) String

Answer: A, C

Question 4

Question: What does the len() function do? - A) Returns the length of a string or list - B) Returns the largest number - C) Returns the smallest number - D) Converts to lowercase

Answer: A

Question 5

Question: Which operator is used for exponentiation in Python? - A) ^ - B) ** - C) exp - D) pow

Answer: B

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2. JavaScript Fundamentals

Question 1

Question: Which keyword is used to declare a variable in ES6? - A) var - B) let - C) const - D) All of the above

Answer: D

Question 2

Question: What are the primitive data types in JavaScript? (Select all that apply) - A) String - B) Number - C) Boolean - D) Object

Answer: A, B, C

Question 3

Question: What does === operator do in JavaScript? - A) Compares values and types - B) Compares only values - C) Assigns value - D) Checks if undefined

Answer: A

Question 4

Question: Which method is used to add elements to an array? (Select all that apply) - A) push() - B) pop() - C) shift() - D) unshift()

Answer: A, D

Question 5

Question: What is the output of: typeof null? - A) null - B) undefined - C) object - D) number

Answer: C

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3. HTML & CSS Basics

Question 1

Question: Which HTML tag is used for the largest heading? - A)

- B)
- C)
- D)

Answer: B

Question 2

Question: Which CSS properties are used for layout? (Select all that apply) - A) display - B) position - C) color - D) flexbox

Answer: A, B, D

Question 3

Question: What does CSS stand for? - A) Computer Style Sheets - B) Cascading Style Sheets - C) Creative Style Sheets - D) Colorful Style Sheets

Answer: B

Question 4

Question: Which HTML attribute is used to define inline styles? - A) styles - B) style - C) class - D) font

Answer: B

Question 5

Question: What are valid CSS selectors? (Select all that apply) - A) Class selector - B) ID selector - C) Element selector - D) Attribute selector

Answer: A, B, C, D

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4. General Knowledge

Question 1

Question: What is the capital of France? - A) London - B) Berlin - C) Paris - D) Madrid

Answer: C

Question 2

Question: Which of these are planets in our solar system? (Select all that apply) - A) Mars - B) Jupiter - C) Pluto - D) Venus

Answer: A, B, D

Question 3

Question: Who wrote Romeo and Juliet? - A) Charles Dickens - B) William Shakespeare - C) Jane Austen - D) Mark Twain

Answer: B

Question 4

Question: What are the primary colors? (Select all that apply) - A) Red - B) Blue - C) Green - D) Yellow

Answer: A, B, D

Question 5

Question: What is the largest ocean on Earth? - A) Atlantic Ocean - B) Indian Ocean - C) Arctic Ocean - D) Pacific Ocean

Answer: D

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5. Mathematics Quiz

Question 1

Question: What is 15 + 27? - A) 40 - B) 42 - C) 44 - D) 45

Answer: B

Question 2

Question: Which of these are prime numbers? (Select all that apply) - A) 2 - B) 4 - C) 7 - D) 9

Answer: A, C

Question 3

Question: What is the square root of 64? - A) 6 - B) 7 - C) 8 - D) 9

Answer: C

Question 4

Question: What is the value of (pi) approximately? - A) 3.14 - B) 3.14159 - C) 22/7 - D) All of the above

Answer: D

Question 5

Question: Which shapes have 4 sides? (Select all that apply) - A) Square - B) Rectangle - C) Triangle - D) Rhombus

Answer: A, B, D

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6. Science Quiz

Question 1

Question: What is the chemical symbol for water? - A) H2O - B) CO2 - C) O2 - D) NaCl

Answer: A

Question 2

Question: Which of these are states of matter? (Select all that apply) - A) Solid - B) Liquid - C) Gas - D) Plasma

Answer: A, B, C, D

Question 3

Question: What is the speed of light? - A) 300,000 km/s - B) 150,000 km/s - C) 450,000 km/s - D) 200,000 km/s

Answer: A

Question 4

Question: Which planets are known as gas giants? (Select all that apply) - A) Jupiter - B) Saturn - C) Earth - D) Neptune

Answer: A, B, D

Question 5

Question: What is the smallest unit of matter? - A) Molecule - B) Atom - C) Electron - D) Proton

Answer: B

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7. World History

Question 1

Question: In which year did World War II end? - A) 1943 - B) 1944 - C) 1945 - D) 1946

Answer: C

Question 2

Question: Which of these were ancient civilizations? (Select all that apply) - A) Roman Empire - B) Ancient Egypt - C) United States - D) Maya Civilization

Answer: A, B, D

Question 3

Question: Who was the first person to walk on the moon? - A) Buzz Aldrin - B) Neil Armstrong - C) Michael Collins - D) Yuri Gagarin

Answer: B

Question 4

Question: Which events happened in the 20th century? (Select all that apply) - A) World War I - B) World War II - C) Fall of Berlin Wall - D) American Civil War

Answer: A, B, C

Question 5

Question: The Renaissance period started in which country? - A) France - B) Germany - C) Italy - D) Spain

Answer: C

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8. Geography Quiz

Question 1

Question: What is the longest river in the world? - A) Amazon - B) Nile - C) Mississippi - D) Yangtze

Answer: B

Question 2

Question: Which countries are in Europe? (Select all that apply) - A) France - B) Germany - C) Brazil - D) Italy

Answer: A, B, D

Question 3

Question: What is the highest mountain in the world? - A) K2 - B) Mount Everest - C) Kilimanjaro - D) Matterhorn

Answer: B

Question 4

Question: Which are the seven continents? (Select all that apply) - A) Asia - B) Africa - C) Antarctica - D) Australia

Answer: A, B, C, D

Question 5

Question: What is the smallest country in the world? - A) Monaco - B) Vatican City - C) San Marino - D) Liechtenstein

Answer: B

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9. Computer Science

Question 1

Question: What does CPU stand for? - A) Central Processing Unit - B) Computer Personal Unit - C) Central Program Utility - D) Computer Processing Unit

Answer: A

Question 2

Question: Which are programming paradigms? (Select all that apply) - A) Object-Oriented - B) Functional - C) Procedural - D) Declarative

Answer: A, B, C, D

Question 3

Question: What is the time complexity of binary search? - A) O(n) - B) O(log n) - C) O(n²) - D) O(1)

Answer: B

Question 4

Question: Which data structures use LIFO principle? - A) Stack - B) Queue - C) Array - D) Tree

Answer: A

Question 5

Question: What are valid HTTP methods? (Select all that apply) - A) GET - B) POST - C) PUT - D) DELETE

Answer: A, B, C, D

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10. Web Development

Question 1

Question: What does HTTP stand for? - A) HyperText Transfer Protocol - B) HyperText Transport Protocol - C) HyperText Transfer Process - D) HyperText Transport Process

Answer: A

Question 2

Question: Which are frontend frameworks? (Select all that apply) - A) React - B) Angular - C) Vue - D) Django

Answer: A, B, C

Question 3

Question: What is the purpose of CSS? - A) Structure web pages - B) Style web pages - C) Add interactivity - D) Store data

Answer: B

Question 4

Question: Which HTTP status codes indicate success? (Select all that apply) - A) 200 - B) 201 - C) 404 - D) 500

Answer: A, B

Question 5

Question: What is REST API? - A) Representational State Transfer - B) Remote State Transfer - C) Representational Server Transfer - D) Remote Server Transfer

Answer: A

Summary

Total Quizzes: 10 Total Questions: 50 Single Choice Questions: 30 Multiple Choice Questions: 20

Note: Questions marked with "(Select all that apply)" are multiple choice questions where you need to select all correct answers. For single choice questions, only one answer is correct.