

SAMPLE TEST QUESTIONS

=====

Programming Fundamentals Quiz

1. What is JavaScript primarily used for?

- A) Database management
- B) Web development and creating interactive websites *
- C) Operating system development
- D) Hardware programming

Answer: B

2. Which of the following is NOT a primitive data type in JavaScript?

- A) String
- B) Number
- C) Array *
- D) Boolean

Correct: C

3. What does HTML stand for?

- A) Hyper Text Markup Language *
- B) High Tech Modern Language
- C) Home Tool Markup Language
- D) Hyperlinks and Text Markup Language

Ans: A

Q4. Which symbol is used for single-line comments in JavaScript?

- A) /* */
- B) // (correct)
- C) <!-- -->
- D) #

5. What is the correct way to declare a variable in JavaScript?

- A) variable x = 10;
- B) var x = 10; *
- C) declare x = 10;
- D) int x = 10;

6. Which method is used to add an element to the end of an array?

- A) add()
- B) append()
- C) push() *
- D) insert()

Answer: C

Q7. What is the output of: typeof null?

- A) "null"
- B) "undefined"
- C) "object" (correct)

D) "number"

8. Which company developed JavaScript?

- A) Microsoft
- B) Netscape *
- C) Oracle
- D) Google

9. What is the correct syntax for a for loop in JavaScript?

- A) for (i = 0; i < 5; i++) *
- B) for i = 0 to 5
- C) for (i in 0..5)
- D) loop (i < 5)

Answer: A

10. Which keyword is used to define a constant in ES6?

- A) var
- B) let
- C) constant
- D) const *

Correct: D

Database Concepts

Q11. What does SQL stand for?

- A) Simple Query Language
- B) Structured Query Language â€”
- C) Standard Question Language
- D) System Queue Logic

12. Which SQL command is used to retrieve data from a database?

- A) GET
- B) FETCH
- C) SELECT *
- D) RETRIEVE

Answer: C

13. What is a primary key in a database?

- A) A key that opens the database
- B) A unique identifier for each record *
- C) The first column in a table
- D) A password for database access

14. Which of these is a NoSQL database?

- A) MySQL
- B) PostgreSQL
- C) MongoDB â€”
- D) Oracle

15. What does CRUD stand for?

- A) Create, Read, Update, Delete *
- B) Control, Run, Upload, Download
- C) Copy, Restore, Update, Debug
- D) Create, Register, Use, Deploy

Correct: A

Web Development

16. Which HTTP method is used to submit form data?

- A) GET
- B) POST *
- C) PUT
- D) SEND

17. What is CSS used for?

- A) Database queries
- B) Server-side logic
- C) Styling web pages *
- D) Network communication

Answer: C

18. Which HTML tag is used to create a hyperlink?

- A) <link>
- B) <a> (correct)
- C) <href>
- D) <url>

19. What is the purpose of the DOM?

- A) Domain Object Model
- B) Document Object Model - represents HTML structure *
- C) Data Operation Method
- D) Dynamic Output Manager

20. Which framework is used for building user interfaces in React?

- A) Angular
- B) Vue
- C) React itself *
- D) jQuery

Answer: C

Python Programming

21. How do you start a comment in Python?

- A) //
- B) /* */
- C) # *
- D) --

22. What is the output of: `print(type([]))`?

- A) <class 'list'> *
- B) <class 'array'>
- C) <class 'tuple'>
- D) <class 'dict'>

Correct: A

23. Which keyword is used to define a function in Python?

- A) function
- B) def *
- C) func
- D) define

24. What is pip used for in Python?

- A) Piping data
- B) Package installation *
- C) Performance improvement
- D) Print formatting

Answer: B

25. Which of these is the correct way to create a dictionary in Python?

- A) dict = []
- B) dict = ()
- C) dict = {} *
- D) dict = <>

Correct: C