Node.js Questions:

1. What is Node.js primarily used for?

A) Designing websites

B) Server-side JavaScript execution

C) Database management

D) Image editing

Answer: B

2. What does npm stand for?

A) Node.js Package Manager

B) Node Programming Model

C) New Project Manager

D) Node.js Process Manager

Answer: A

3. Which of the following is NOT a feature of Node.js?

A) Single-threaded

B) Event-driven

C) Blocking I/O model

D) Cross-platform

Answer: C

4. Which method is used to read files asynchronously in Node.js?

A) fs.readFile()

B) fs.read()

C) fs.readSync()

D) fs.openFile()

Answer: A

5. What does the process object in Node.js represent?

 A) The HTTP request lifecycle

 B) The current Node.js process

 C) The database connection

 D) The event loop

 Answer: B

6. In Node.js, which of these is NOT a core module?

 A) cluster

 B) fs

 C) express

 D) os

 Answer: C) express

7. In Node.js streams, which stream type only supports writing data?

 A) Readable

 B) Writable

 C) Duplex

D) Transform

Answer: B) Writable

8. Which method in Node.js is used to schedule a callback to execute after I/O events' callbacks?

 A) process.nextTick()

 B) setTimeout()

 C) setImmediate()

 D) queueMicrotask()

 Answer: C) setImmediate()

9. What is the default buffer size for streams in Node.js?

A) 16 KB

B) 32 KB

C) 64 KB

D) 128 KB

Answer: A) 16 KB

10. Which of these is NOT a valid way to create a Buffer in Node.js (modern versions)?

A) Buffer.alloc(size)

B) Buffer.from(array)

C) Buffer(size)

D) Buffer.from(string)

Answer: C) Buffer(size)