

# 26 Lecture - CS506

## Important Mcqs

Absolutely, here are 10 multiple-choice questions (MCQs) related to Java Servlets along with their solutions and multiple options:

**\*\*Question 1:\*\* What is a Java Servlet?**

**\*\*Options:\*\***

- A) A type of coffee
- B) A server-side Java program
- C) A front-end web technology
- D) A JavaScript library

**\*\*Solution:\*\* B) A server-side Java program**

**\*\*Question 2:\*\* Which interface must a Java class implement to create a servlet?**

**\*\*Options:\*\***

- A) HttpServlet
- B) Servlet
- C) ServletInterface
- D) ServletClass

**\*\*Solution:\*\* B) Servlet**

**\*\*Question 3:\*\* Which HTTP method is used by a servlet to handle a GET request?**

**\*\*Options:\*\***

- A) GET
- B) POST
- C) REQUEST
- D) PUT

**\*\*Solution:\*\* A) GET**

**\*\*Question 4:\*\* What is the purpose of the `init()` method in a servlet?**

**\*\*Options:\*\***

- A) To initialize database connections
- B) To handle GET requests
- C) To create a new instance of the servlet
- D) To load servlet configuration parameters

**\*\*Solution:\*\* C) To create a new instance of the servlet**

**\*\*Question 5:\*\* Which servlet method is called after the `service()` method to clean up resources?**

**\*\*Options:\*\***

- A) cleanup()
- B) destroy()
- C) close()
- D) end()

**\*\*Solution:\*\* B) destroy()**

**\*\*Question 6:\*\* How are parameters typically passed to a servlet?**

**\*\*Options:\*\***

- A) Through the URL query string
- B) Through the request body
- C) Through the servlet configuration
- D) Through the session attributes

**\*\*Solution:\*\* A) Through the URL query string**

**\*\*Question 7:\*\* Which of the following is used to send a redirect response from a servlet?**

**\*\*Options:\*\***

- A) `sendRedirect()`
- B) `forward()`
- C) `redirect()`
- D) `location()`

**\*\*Solution:\*\* A) `sendRedirect()`**

**\*\*Question 8:\*\* What does the `doGet()` method of `HttpServlet` class handle?**

**\*\*Options:\*\***

- A) POST requests
- B) GET requests
- C) PUT requests
- D) DELETE requests

**\*\*Solution:\*\* B) GET requests**

**\*\*Question 9:\*\*** Which object represents the client's request in a servlet?

**\*\*Options:\*\***

- A) `HttpServlet`
- B) `ServletConfig`
- C) `HttpServletRequest`
- D) `ServletResponse`

**\*\*Solution:\*\*** C) `HttpServletRequest`

**\*\*Question 10:\*\*** What is the purpose of the `web.xml` deployment descriptor in servlets?

**\*\*Options:\*\***

- A) To define the servlet's source code
- B) To store servlet data in XML format
- C) To configure servlet mappings and parameters
- D) To define the client's request URL

**\*\*Solution:\*\*** C) To configure servlet mappings and parameters