

1. How many `ServletContext` objects are created per web application?
 - A) One for each servlet in the application
 - B) One for the entire web application
 - C) One for each client request
 - D) One for each user session
2. Which of the following is true about `ServletConfig` ?
 - A) It is global and shared by all servlets in the application
 - B) It is used to store data for the entire lifetime of the server
 - C) There is one `ServletConfig` object per servlet class
 - D) It can only be accessed within the `destroy()` method
3. In the `web.xml` file, which tag is used to define parameters for `ServletContext` ?
 - A) `<init-param>`
 - B) `<context-param>`
 - C) `<servlet-param>`
 - D) `<app-param>`
4. Which method is used to obtain a `ServletContext` object from within a servlet?
 - A) `getServletConfig().getServletContext()`
 - B) `request.getServletContext()`
 - C) Both A and B
 - D) `config.getContext()`
5. What is the primary purpose of a Servlet Filter?
 - A) To manage database connections for the servlet
 - B) To transform information in requests and responses dynamically
 - C) To define the entry point of a web application
 - D) To replace the `service()` method of a servlet
6. Which method of the Filter interface is called for every intercepted request?
 - A) `init()`
 - B) `service()`
 - C) `doFilter()`
 - D) `intercept()`
7. In the MVC architecture, which component is typically implemented using a Servlet?
 - A) Model

- B) View
- C) Controller
- D) Database

8. Which part of the MVC pattern is responsible for presenting data to the user?

- A) Model
- B) View
- C) Controller
- D) RequestDispatcher

9. What happens if you try to retrieve a non-existent parameter using `getInitParameter()` ?

- A) A `ServletException` is thrown
- B) It returns an empty string
- C) It returns `null`
- D) The application crashes

10. When is the `destroy()` method of a Servlet Filter called?

- A) After every `doFilter()` execution
- B) Once at the end of the filter's life cycle
- C) Every time the server restarts
- D) When a user session expires

Answer Key

- 1. B
- 2. C
- 3. B
- 4. C
- 5. B
- 6. C
- 7. C
- 8. B

9. C

10.B