Q1. Consider code:

….

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

java.io.PrintWriter out = response.getWriter();

 out.println(request.getParameter("name"));

}

What will happen if this servlet is requested using its URL?

    A   NullPointerException is thrown and page displays with server error with Status 500

    B   Page prints "null"

    C   Servlet code does not compile because of error in line 5

    D   Page displays error with status 404 because servlets cannot be requested using a URL.

Q2. HttpServletRequest and HttpServletResponse interface is implemented by

1.   Servlet container

2.   Server

3.   Programmer

4.   By both programmer and Servlet Container

Q3.How to set some application scoped value in a servlet:-

1.   getServletContext().setAttribute("foo",barObj);

2.   application.setAttribute("foo",barObj);

3.   Both are good approach

4.   None of these

Q4. Which method of HttpServletResponse is used to redirect an HTTP request to another URL?

1.   redirectURL()

2.   redirectHttp()

3.   sendRedirect()

4.   getRequestDispatcher()

Q5. Which deployment descriptor element is used to specify a ServletContext-

Listener? (Select one)

a <context-listener>

b <listener>

c <servlet-context-listener>

d <servletcontextlistener>

Q6. How should servlet developers handle the HttpServlet's service() method when extending HttpServlet?

A. They should override the service() method in most cases.

B. They should call the service() method from doGet() or doPost()

C. They should call the service() method from the init() method.

D. They should override at least one doXXX() method (such as doPost()).

Q7. A RequestDispatcher can be obtained from which objects?

    A   ServletConfig

    B   ServletContext

    C   HttpServletRequest

    D   HttpServletReaponse

Q8. Which statements about session attributes is **not** true?

1. The return type of HttpSession.getAttribute(String) is Object.

2. The return type of HttpSession.getAttribute(String) is String.

3. Attributes bound into a session are available to any other servlet that belongs to the same ServletContext and handles a request identified as being part of the same session.

4. Calling setAttribute("keyA", "valueB") on an HttpSession which already holds a value for the key keyA will cause the previous value for this attribute to be replaced with the String valueB.

Q9.\<context-param\>
   \<param-name\>email\</param-name\>
   \<param-value\>raj@123\</param-value\>
  \</context-param\>
1.   Can be assessed in any servlet/jsp
2.   Can be assessed in any servlet but not in jsp
3.   Can be assessed in an servlet in which it is defined
4.   None of these

Q10.
//assume imports
public class Test extends HttpServlet {
protected void doGet(HttpServletRequest request, HttpServletResponse response) throws Exception{
PrintWriter out = response.getWriter();
out.println("hello"); out.flush();
request.getRequestDispatcher("/More").forward(request, response);}}

Assuming that Servlet in the path /More gets the PrintStream object and prints "hello there", what will happen when the Test servlet is requested?
    A   Page displays hello and no error
    B   Page throws IllegalStateException
    C   Page prints hello and hello there in 2 lines
    D   None of these

Q11. Which interfaces declare a getSession() method?
1. ServletRequest
2. ServletResponse
3. HttpServletRequest
4. HttpServletResponse

Q12. If a client will NOT accept a cookie, which session management mechanism could the web container employ? (Choose one.)
A. Cookies, but NOT URL rewriting.
B. URL rewriting, but NOT cookies.
C. Either cookies or URL rewriting can be used.
D. Neither cookies nor URL rewriting can be used.

Q13. Which is most logically stored as an attribute in session scope?
A. A copy of a query parameter entered by a user.
B. The result of a database query to be returned immediately to a user.
C. A database connection object used by all web components of the system.
D. An object representing a user who has just logged into the system.

Q15. What is the recommended way to deal with servlets and thread safety?
A. Write the servlet code to extend ThreadSafeServlet.
B. Have the servlet implement SingleThreadModel.
C. Use local variables exclusively, and if you have to use instance variables, synchronize access to them.
C. Log all servlet method calls.

Q15.
public class Test extends HttpServlet {
protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException
{ response.setContentType("text/html");
   HttpSession session = request.getSession();

```
        session.setAttribute("name", "Test");
        session.invalidate();
}}

public class SessList implements HttpSessionListener {
    public void sessionCreated(HttpSessionEvent arg0) {
        System.out.print("Session Created") ;
    }
    public void sessionDestroyed(HttpSessionEvent arg0) {
        System.out.print("Session Destroyed") ;
    }}
```
Test servlet will cause following to be printed in server console
- A   Session Created
- B   Session Destroyed
- C   Session Created Session Destroyed
- D   Nothing

Q 16. The statement a===b refers to _____
a) Both a and b are equal in value, type and reference address
b) Both a and b are equal in value
c) Both a and b are equal in value and type
d) There is no such statement

Q 17.Choose the correct JavaScript syntax to change the content of the following HTML code.
<p id="foof">hello foof</p>
A) document.getElement("foof").innerHTML="i am a student";
B) document.getElementById("foof").innerHTML="I am a student";
C) document.getId("foof")="I am a student";
D) document.getElementById("foof").innerHTML=I am a student;

Q18. Consider following code, what is the correct way to create javascrpt class?
```
function createEmp(name, address, city, salary){
      this.name=name;
      this.address=name;
      this.city=name;
      this.salary=name;
 }
```

A) var emp3=new createEmp("raja","kn","delhi",5000);
B) let emp3=new createEmp("raja","kn","delhi",5000);
C) var emp3= createEmp("raja","kn","delhi",5000);
D) createEmp emp3=new createEmp("raja","kn","delhi",5000);

Q19. What is the output of flowing code:
console.log(x);
var x=33;
A. 33
B. NaN
C. undefined
D.Depend on javascript version

Q20. What will be the output of the following code?
<script>
        document.write(typeof(24.49));
</script>
A) float
B) number
C) integer
D) double