[16] SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGAR
On Demand External Examination (NC) -2022
BCA Semester V
Subject: Object Oriented Programming III (US05SBCA25)
TIME: 10:00AM TO 12:00 PM   DATE: 08/07/2022   MARKS: 70

Q.1 Multiple Choice Questions [10]

1 _____ is a java API which enables the java programs to execute SQL statements.
(A) JDBC (B) JDK (C) JRE (D) APPLET

2 The JDBC _____ class defines objects which can connect Java applications to a JDBC driver.
(A) Statement (B) DriverManager (C) ResultSet (D) SQLManager

3 _____ package must import before use of JDBC in program.
(A) java.awt.* (B) java.util.* (C) java.sql.* (D) java.net.*

4 The life cycle of a servlet is managed by
(A) servlet context (B) servlet container (C) the supporting protocol (D) All

5 What is javax.servlet.Servlet?
(A) interface (B) - abstract class (C) - concreate class (D) - None

6 Which of the following code can be used to clear any data that exists in the buffer as well as the status code and headers?
(A) - request.reset() (B) - response.reset() (C) - response.resetBuffer() (D) - None

7 Which tag should be used to pass information from JSP to included JSP?
(a) Using <%jsp:page> tag (b) Using <%jsp:param> tag
(c) Using <%jsp:import> tag (d) Using <%jsp:useBean> tag

8 Which one is the correct order of phases in JSP life cycle?
a) Initialization, Cleanup, Compilation, Execution
b) Initialization, Compilation, Cleanup, Execution
c) Compilation, Initialization, Execution, Cleanup
d) Cleanup, Compilation, Initialization, Execution

9 Which will contain the body of the thread?
(A) run(); (B) start(); (C) wait(); (D) terminate();

10 Which is the name of the method used to start a thread execution?
(A) run(); (B) start(); (C) wait(); (D) terminate();

Q.2 Fill in the Blanks and True or False [08]

1 The automatic conversion from wrapper type to its corresponding primitive type is known as_____.

2 The wrapper class in Java provides the mechanism to convert primitive into object and object into primitive. State True/False

3 _____ code is used to get cookies in servlet.

4 The include() method of RequestDispatcher sends a request to another resource like servlet, jsp or html. State True / False

5 _____method sends by browser that asks the server to get the page only.

6 JSP Stands for_____.

7 When a class extends the thread class, it should override _____ method of thread class to start the thread?

8 Which method we implement from runnable interface_____.

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Q.3 **Short Questions (Write Any 10 out of 12)** [20]
1 Define JDBC.
2 List out the type of Driver available in JDBC API.
3 Write a syntax or example for open a connection
4 Explain init() method in brief. (servlet)
5 Explain service() method in brief. (servlet)
6 Draw the Web Based Architecture.
7 What is JSP?
8 List out the advantages of JSP and explain any one
9 Write a note on JSP Directive.
10 What is Java Thread?
11 List Java Thread Methods.
12 Write down Thread characteristics.

Q.4 **Long Questions Answers (Write four out of eight)** [32]
1 What is Java Database Connectivity? Explain component of JDBC.
2 Explain JDBC architecture in detail.
3 Explain Cookies with Servlet with example.
4 Explain Session API in detail.
5 What is JSP? What are the advantages of JSP? Explain
6 Explain the Life cycle of JSP with one example.
7 Draw Life Cycle of a Thread and explain in detail.
8 List Thread methods and explain any five.

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