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SEAT No. _____

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SARDAR PATEL UNIVERSITY

M.Sc.IT (Integrated) Examination, 7th SemesterWednesday, 8th November, 2017.

Evening Time: 02:00 P.M to 05:00 P.M

Subject Code: PS07CIIT03/ Paper No: 03

Subject: Advanced Java Programming

Total Weight age/Marks: 70

Q.1 Multiple Choice Questions.

08

1. Abbreviate the term DSN?

A. Digital Source Name	B. Data Source Name
C. Data Socket Name	D. Data String Name
2. An API can be created for _____.

A. Applications	B. Libraries
C. Operating systems	D. All mentioned above
3. What is javax.servlet.http.HttpServlet?

A. Interface	B. Abstract Class
C. Concrete Class	D. None of the Above
4. 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 of the Above
5. Application is instance of which class?

A. javax.servlet.ServletContext	B. javax.servlet.HttpContext
C. javax.servlet.Context	D. javax.servlet.Application
6. Which of the following do not supports JSP directly?

A. Weblogic Server	B. WebSphere Server
C. Apache HTTP Server	D. Tomcat Server
7. Which of the following is not an implicit object?

A. Request	B. Response
C. Cookie	D. Session
8. Which of the following is an approach for state maintenance in Web applications?

A. Hidden Form Field	B. URL Rewriting
C. Cookies	D. All of the Above

P.T.O

Q.2 Answer the following questions in short. (Any 07)

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- 1) Differentiate between Java AWT and Java Swing.
- 2) List types of JDBC Drivers.
- 3) Draw figure of Network Protocol driver.
- 4) What is Servlet?
- 5) Draw the Web Based Architecture.
- 6) Differentiate between Servlet and JSP.
- 7) What is JSP Scripting element?
- 8) What is JSTL?
- 9) Draw the 3-tier Enterprise Architecture.

Q.3(A) Write steps to connect database with MS Access.

06

(B) Explain JLabel, JTextField and its methods with one example.

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OR

(B) Explain JButton, JMenuBar and its methods with one example.

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Q.4(A) Explain Servlet Life Cycle in detail. (With Diagram)

06

(B) Explain Servlet in Brief and write a short note on Advantages of web based applications.

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OR

(B) Write a short note on the HTTP Servlet Class with doGet() and doPost() method. (Give Example)

06

Q.5(A) Write a short note on JSP Life Cycle.

06

(B) Explain including and forwarding from JSP Pages.

06

OR

(B) Explain JSP Scripting Elements in detail.

06

Q.6(A) Explain J2EE as an application server with Web tier and Business tier.

06

(B) Write a short note on Enterprise Architecture Types.

06

OR

(B) Why J2EE is suitable for the development distributed multi-tiered enterprise applications? Explain what do you understand by container?

06

