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| **National University of Computer and Emerging Sciences, Lahore Campus** | | | | |
| C:\Users\saif\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\final design.jpg | **Course:** | **Advanced Programming** | **Course Code:** | **CS433** |
| **Program:** | **BS(Computer Science)** | **Semester:** | **Fall 2018** |
| **Duration:** | **30 Minutes** | **Total Marks:** | **10** |
| **Paper Date:** | **Dec 2018** | **Weight** | **3.3 %** |
| **Section:** | **B** | **Page(s):** | **2** |
| **Quiz:** | **3** |  |  |
| **Instruction/Notes:** | Attempt the quiz on the question paper and write concise answers. | | | |

Q1. Name the default value of the scope atribute of <jsp:usebean>.

1. page b) application c) session d) request

Q2. Which of these statements are correct?

(A) For each request, Servlet starts a process and Web server is limited to start processes.

(B) Servlet technology is used to create dynamic web page.

(C) Servlets are protocol and platform-independent server side Java components.

(D) init(ServletConfig) method of Servlet is called for each request of the client.

**Q3.** Assume that you need to write a JSP page that adds numbers from one to ten, and then print the output.

<% int sum = 0;

for(j = 0; j < 10; j++) { %>

// XXX — Add j to sum

<% } %>

// YYY — Display ths sum

Which statement when placed at the location XXX can be used to compute the sum. Select the one correct statement

1. <% sum = sum + j %> b) <% sum = sum + j; %>

c) <%= sum = sum + j %> d) <%= sum = sum + j; %>

**Q4.** When and how many objects of a servlet object are created?

Ans:

**Q5.** If the following JSP tag is coded in a main JSP, what happens when the reports.jsp page is updated?

<jsp:include page="includes/reports.jsp" />

a) the changes aren’t updated in the subsequent requests for the main JSP

b) the changes appear for subsequent requests for the main JSP

c) a JSP error is thrown

d) It will include at the translation phase only

**Q6.** Suppose you have implemented a Student action class, login.jsp, signup.jsp in STRUTS2. Write down the name of

Model:----------------------------------

Views: -----------------------------------------

Controller:--------------------------------------

**Q7.** STRUTS: What’s the purpose of Execute method of action class and how its returned value is used?

Ans:

**Q8.** Hibernate: Suppose you have Student class in Java, write a line of code to get the student object with id = 10.