Name: _____   Reg #: _____   Section: _____

National University of Computer and Emerging Sciences, Lahore Campus

	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:	A	Page(s):	2
	Quiz:	3		

Instruction/Notes: Attempt the quiz on the question paper and write concise answers.

Q1. How many servlet controllers are used in a Struts Application?

(A) 1   (B) depends on application   (C) depends on servlets   (D) depends on jsp pages**.**

Q2. Which of these statements are incorrect?

(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. Who does controll life-cycle of a servlet?

a) browser   b) client   c) container   d) user

Q4. What gets printed when the following JSP code is invoked in a browser. Select the one correct answer.

```
<%= if(Math.random() < 0.5) %>
hello
<%= } else { %>
hi
<%= } %>
```

A) The browser will print either hello or hi based upon the return value of random.
B) The string hello will always get printed.
C) The string hi will always get printed.
D) The JSP file will not compile.

Q5. STRUTS 2: Which file is used by controller to get mapping information for request routing?

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Ans:

Q6. How primary key of table is specified as "assigned" in Hibernate? Write a sample xml file.

Ans:

Q7. Which of the following methods is overridden by Action class in STRUTS 2?

   (A) run()   (B) service()   (C) execute()   (D) destroy()

Q8. JSP: Which of the followings are processed at the run time?

(A) include directive   (B) forward action   (C) page directive   (D) include action