



UNIVERSITY OF THE PUNJAB

Fourth Semester - 2018
Examination: B.S. 4 Years

Roll No.

PAPER: Web Engineering
Course Code: IT-205 / IT-22405 Part – I (Compulsory)

TIME ALLOWED: 15 Min.
MAX. MARKS: 10

Attempt this Paper on this Question Sheet only.

Please encircle the correct option. Each MCQ carries 1 Mark. This Paper will be collected back after expiry of time limit mentioned above.

Question # 1.

[Marks: 1 x 10 = 10]

Evaluate the statement and write down the correct option number.

1. In CSS, we can apply different styles to a group of elements.
 - a. True
 - b. False

2. JSP stands for _____.
 - a. Java Super Pages
 - b. Java Super Program
 - c. Java Server Pages
 - d. Java Server Program

3. If we uses post method technique, then the data will be sent through _____.
 - a. body of request
 - b. url
 - c. both a & b
 - d. none of these

4. HTML stands for _____.
 - a. High Thread Markup Language
 - b. High Text Markup Language
 - c. Hyper Text Markup Language
 - d. Hyper Thread Markup Language

5. INIT function is executed only _____ times in a life cycle of servlet.
 - a. 0
 - b. 1
 - c. More than 1 times
 - d. It will be executed randomly

(P.T.O.)

6. In N-Tier architecture, which layer is present in middle?
 - a. Presentation / View Layer
 - b. Business Logic Layer
 - c. Data Access Layer
 - d. None of these

7. MVC stands for _____.
 - a. Model View Color
 - b. Model Visual Controller
 - c. Model View Controller
 - d. None of these

8. Cookies are stored on _____ side/s.
 - a. Client
 - b. Server
 - c. Both a & b
 - d. None of these

9. In a JSP page, service method code is written in _____ tag.
 - a. JSP Declaration
 - b. JSP Scriptlet
 - c. JSP Expression
 - d. None of these

10. For HttpServletRequest, which implicit object is available in JSP?
 - a. req
 - b. request
 - c. Either a or b
 - d. None of these



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TIME ALLOWED: 2 Hrs. & 45 Min.
MAX. MARKS: 50

Attempt this Paper on Separate Answer Sheet provided.

Question # 2.

[2 x 10 = 20 Marks]

Precisely write down the answers of the following questions.

1. Describe the two attributes i.e. action and method of 'table' tag in html?
2. Write down a life cycle of JSP page.
3. What is meant by Server-side scripting language?
4. What is meant by a mark-up language?
5. What is the purpose of JSP directives?
6. What is meant by AJAX?
7. Define Java Beans.
8. What are the differences between sessions and cookies?
9. What are the components of a HTTP Response?
10. What is the benefit of N-Tier Architecture?

Question # 3.

[3 x 10 = 30 Marks]

Briefly write down the answers of the following questions.

1.
 - a. What are the differences between a servlet and JSP? [5]
 - b. What do you mean by request dispatcher and send redirection? [5]
2. Write a servlet class which will dynamically create an ordered list of all items stored in database.
Table contains two columns (Item Name, Number of items).
DB Name: Database
Table name: Item(item_Name(varChar(50)), no_Of_Items(int))
3. Write a JSP page, which will dynamically create a table with politician's information stored in the database. Table contains two columns (Politician Name, Politician Current Party Name).
DB Name: Database
Table name: Politician(pol_Name(varChar(50)), pol_Party(varChar(50)))