Roll No. in Fig. ....

Roll No. in Words. ....

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Signature of Supdt.:

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. Cascading Style Sheets stands for _____.
   a. CASS
   b. CSTS
   c. CSS
   d. CSSH

2. If contents of a website does not change along with the user input then such a website is known as _____.
   a. Static Website
   b. Dynamic Website
   c. No such website exists
   d. None of these

3. On pressing OK button, prompt box returns _____ value.
   a. message written in text box
   b. null
   c. Both a and b
   d. Either a or b
   e. Neither a nor b

4. AJAX stands for _____.
   a. Asynchronous Java And XML
   b. Autonomous JavaScript And XML
   c. Asynchronous JavaScript And XML
   d. None of these

5. _____ function of a servlet will be called only 1 time in a life cycle of servlet.
   a. INIT
   b. Service
   c. Destroy
   d. Both a and b
   e. Both a and c
   f. Both b and c
   g. None of the above

P.T.O.

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

7. How many layers are present in N-Tier Architecture?
   a. 1
   b. 3
   c. 5
   d. It can be any number

8. If we uses _____ method technique, then the data will be sent through the URL of the request.
   a. get
   b. post
   c. Both a and b
   d. Either a or b
   e. Neither a nor b

9. Sessions are stored on _____ side/s.
   a. Client
   b. Server
   c. Both a & b
   d. None of these

10. In a JSP page, all code other than service method is written in _____ tag.
    a. JSP Declaration
    b. JSP Srciptlet
    c. JSP Expression
    d. None of these

UNIVERSITY OF THE PUNJAB
B.S. 4 Years Program / Fourth Semester – 2019

Roll No. ....

Paper: Web Engineering
Course Code: IT-205 / IT-22405   Part – II

Time: 2 Hrs. 45 Min.   Marks: 50

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ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Question # 2.   [2 x 10 = 20 Marks]

Precisely write down the answers of the following questions.

1. What is the difference between WWW and internet?
2. What is meant by Send Redirection?
3. What is a difference between static and dynamic website?
4. Write down a life cycle of java servlets.
5. In CSS, how can we apply style to the components?
6. What does HTML and JSP stands for?
7. What is meant by Client-side scripting language?
8. What is meant by AJAX?
9. What are the components of a HTTTP Response?
10. What is the difference between N-Tier Architecture and MVC?

Question # 3.   [3 x 10 = 30 Marks]

Briefly write down the answers of the following questions.

1.
   a. What are the advantages of cookies and session handling? Also explain that which technique is more preferable according to different scenarios.   [5]
   b. Write down the differences between get and post methods for sending a request to server.   [5]

2. Write a servlet class which will dynamically create an ordered list with name and capital city of the countries stored in the database.
   Table contains two columns (Country Name, Country Capital City).
   DB Name: Database
   Table name: Country(name(varChar(50)), capital_City(varChar(50)))

3. Write a JSP page, which will dynamically create a drop down list with all smartphones along with their company saved in data base.
   DB Name: Database
   Table name: Smartphone(model (varChar(15)), company(varChar(15)))