

[Time:3 Hours]

[Marks:80]

Please check whether you have got the right question paper.

- N.B:**
1. **All** questions are **compulsory**.
 2. **Solve any three questions out of remaining questions.**
 3. **Assume suitable data if required.**

- Q.1
- a. Differentiate between GET and POST 05
 - b. Explain web services. 05
 - c. Explain 3 tier architecture of web application. 05
 - d. Differentiate between HTML and XML. 05
- Q.2
- a) Write a JavaScript program to validate a Form which accepts name, age, email and phone no of a student 10
 - b) Write CSS for an HTML page to: 10
 - Set the background color
 - Set the size of the font
 - Create a hyperlink without an underline
- Q.3
- a) Write HTML code to draw following table. 10
- | | Average | | Red Eyes |
|----------------|---------|--------|----------|
| | Height | Weight | |
| Males | 1.9 | 0.003 | 40% |
| Females | 1.7 | 0.002 | 43% |
- b) Write an ASP. NET program to insert a new record in database. 10
- Q.4
- a. What is jQuery? Illustrate the use of jQuery for form validation. 10
 - b. Write a JSP program to read the students data like roll number, name, email id and marks from the database and display in tabular format on web page. 10
- Q.5
- a. What is session? What are the ways to do session tracking? 10
 - b. Write a program to accept username and password fields from user in form; store and display it using PHP-MySQL 10
- Q.6
- a. Write an XML to accept student details (Name, ID, Branch, and CGPA). Write an XSL to display the list of students in descending order of their CGPA. 10
 - b. Explain Servlet life cycle. 05
 - c. Write JavaScript program to change background color continuously. 05