

**KADI SARVA VISHWAVIDYALAYA****B.E. SEMESTER – III REGULAR EXAMINATION NOVEMBER -2024****Subject Code: CT305-N****Subject Title: IT Workshop****DATE: - 18/11/2024****TIME: -12:30 PM To 03:30 PM****MARKS: -70****Instructions:**

1. Answer each section in separate Answer Sheet.
2. Use of scientific calculator is permitted.
3. All questions are compulsory.
4. Indicate clearly, the options you attempted along with its respective question number.
5. Use the last page of main supplementary for rough work.

**SECTION-I**

**Q1 A** Explain working of browser and server communicate using HTTP request and response. [5]

**B** Explain different design issues at the time of designing an effective website. [5]

**C** Create HTML Page for following features: [5]

1. Create an unordered list
2. Create an ordered list
3. Use various bullet styles
4. Create nested lists
5. Use the font tag in conjunction with lists

**OR**

**C** Differentiate between Client-side Scripting and Server-Side Scripting. [5]

**Q-2 A** Design a login form with username and password option using HTML and JavaScript. Perform following validations. [5]

(i) Username field: minimum length 6 characters, it should not have any special character or digits other than \_

(ii) Password field: minimum length 8 characters and maximum length 12 characters, it must contain at least one digit and at least one special character from the set {\*,#,\_}.

**B** Explain external style sheet. Give advantages of external style sheet. [5]

**OR**

**Q-2 A** Explain XML. Give purpose and list its features. [5]

**B** Explain with example frames in HTML. [5]

- Q-3 A List out advantages of JavaScript. [5]  
B Explain the importance of XML in web applications. Write the advantages of XML over HTML. [5]

OR

- Q-3 A Using HTML and Java script design a web page that takes one integer as input and display total N prime numbers starting from 1 in HTML table on web page. [5]  
B Explain DHTML with example. [5]

### SECTION-II

- Q4 A Write a PHP script to open, close, read and write into a file. [5]  
B Draw and explain architecture of web browser. [5]  
C Explain different types of arrays in PHP. Explain with example to process the arrays in PHP. [5]

OR

- C Explain features of PHP. Discuss various types of control statements in PHP. [5]  
Q-5 A Explain the use of \$\_REQUEST [] array in PHP. [5]  
B Explain advantages and disadvantages of AJAX. [5]

OR

- A Explain the key components of XML. [5]  
B Explain cookie in PHP. Describe cookies handling in PHP. [5]

PHP

- Q-6 A Explain database connectivity in PHP with example. [5]  
B Explain query string. How is it transmitted to the server with the GET and POST methods? [5]

OR

- A Explain XML schema and DTD. [5]  
B Explain Installation process of SciLab. [5]