

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI(NEW) – EXAMINATION – SUMMER 2019****Subject Code:2160708****Date:18/05/2019****Subject Name:Web Technology****Time:10:30 AM TO 01:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- | | MARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------|---|---|---|---|---|--|--|---|---|---|---|--|--|--|---|---|---|---|---|---|--|---|--|---|--|--|--|
| Q.1 (a) Give full name of followings:
1) DOM 2) TCP 3) RSS 4) ISP 5) XSD 6) HTTP | 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) What are frames? List out its advantages and disadvantages. | 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Create HTML Page with JavaScript which takes Integer number as input and tells whether the number is Prime or Not. | 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q.2 (a) XHTML is stricter language than HTML. Justify. | 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Write HTML code to display following irregular table. | 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="border-collapse: collapse; text-align: center; width: 200px; margin: auto;"> <tr> <td style="width: 20px; height: 20px;">A</td> <td style="width: 40px; height: 20px;">B</td> <td colspan="2" style="width: 80px; height: 20px;">C</td> <td style="width: 40px; height: 20px;">D</td> <td colspan="2" style="width: 80px; height: 20px;">E</td> </tr> <tr> <td></td> <td style="height: 20px;">F</td> <td style="height: 20px;">G</td> <td rowspan="2" style="width: 40px; height: 40px;">H</td> <td style="height: 20px;">I</td> <td colspan="2"></td> </tr> <tr> <td></td> <td style="height: 20px;">J</td> <td style="height: 20px;">K</td> <td style="height: 20px;">L</td> <td style="width: 40px; height: 20px;">M</td> <td style="width: 40px; height: 20px;">N</td> </tr> <tr> <td style="height: 20px;">O</td> <td></td> <td style="height: 20px;">P</td> <td></td> <td colspan="3" style="height: 20px;">Q</td> </tr> </table> | A | B | C | | D | E | | | F | G | H | I | | | | J | K | L | M | N | O | | P | | Q | | | |
| A | B | C | | D | E | | | | | | | | | | | | | | | | | | | | | | | |
| | F | G | H | I | | | | | | | | | | | | | | | | | | | | | | | | |
| | J | K | | L | M | N | | | | | | | | | | | | | | | | | | | | | | |
| O | | P | | Q | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Describe the web design issues. | 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OR | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) What do you mean by event in JavaScript? Give at least two examples of events with their handling. | 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q.3 (a) What is meta tag? How it is useful by search engine? | 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) What is Cascading Style Sheet? Compare inline, embedded and external style sheet with example. | 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Explain the key components of the XML with suitable examples. | 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OR | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q.3 (a) Define the following with reference to XSL:
1) value-of 2) for-each 3) sort | 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) List and explain various list tags in HTML with example. | 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Write and explain rules for well formed XML document. | 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q.4 (a) List features of Web 2.0. | 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Briefly explain following: 1) Web server 2) Blogs | 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Develop XML File for book record and also write a DTD and XSL for it. | 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OR | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q.4 (a) What is FTP? Mention functionality of various FTP commands in brief. | 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Briefly explain following: 1) SOAP 2) Web Feeds | 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Write a Java Script to read data from XML File and print it in tabular manner. | 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q.5 (a) Explain cookie in PHP with example. | 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Explain index and associative arrays in PHP. | 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Write a PHP program to store user registration (user-name, address, Date of Birth, age, pan card, gender) with mysql database. | 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

OR

- Q.5**
- (a) Explain session in PHP with example. **03**
 - (b) Explain the use of following arrays in PHP. **04**
1) \$_REQUEST [] 2) \$_SERVER[]
 - (c) Write PHP program to print following pattern: **07**
1
01
101
0101
10101

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