

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI (OLD) - EXAMINATION – SUMMER 2017

Subject Code: 160705

Date: 01/05/2017

Subject Name: Web Application Development

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.

- Q.1 (a)** Give full name of following acronym. **07**
(1) CGI (2) WAP (3) SOAP (4) RSS (5) XSL
(6) HTTP (7) XML (8) FTP (9) DOM (10) DHTML
(11) DTD (12) WML (13) ISP (14) TCP
- (b)** What do you mean by browser? Explain HTTP and FTP. **07**
- Q.2 (a)** Explain ordered and unordered list with example. **07**
- (b)** What is Document Object Model? Explain the various objects in Document Object Model. **07**
- OR**
- (b)** Write an HTML and JavaScript program which accepts N as input and displays first N Fibonacci numbers as list. **07**
- Q.3 (a)** What is XML? Write XML file to store personal information of student. **07**
- (b)** Why do you need validation? Show the use of regular expression in JavaScript to validate the email address with example. **07**
- OR**
- Q.3 (a)** Explain following XSL element with example. **07**
1. sort 2. if 3. for-each
- (b)** What is CSS? Explain the different types of CSS. **07**
- Q.4 (a)** Explain SOAP? Explain the role of SOAP in web services. **07**
- (b)** Write a JavaScript that handles following mouse events. Add necessary elements. **07**
(i) JavaScript gives the key code for the key pressed.
(ii) If the key pressed is 'a', 'e', 'i', 'o', 'u', the script should announce that vowel is pressed.
(iii) When the key is released background should change to blue.
- OR**
- Q.4 (a)** Explain RSS elements with example. What are the uses of RSS? **07**
- (b)** Explain Cookie in PHP. **07**
- Q.5 (a)** What is PHP? Write a PHP program to find whether entered year is leap year or not. **07**
- (b)** Explain session in PHP. **07**
- OR**
- Q.5 (a)** With the use of PHP, write two scripts, one to pick up details of a library customer and the other to store the details (in variables) and display them. **07**
- (b)** Write PHP code for database connectivity. Apply insert and delete operation with proper example. **07**
