

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI (OLD) EXAMINATION – WINTER 2018****Subject Code:160705****Date: 20/11/2018****Subject Name: Web Application Development****Time: 02:30 PM TO 05:00 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) i) What is Site map in website? What is its purpose? **07**
ii) List and explain the different steps for planning a website.
- (b) Give the full names of the following acronym: **07**
(1) WML (2) DOM (3) ISP (4) HTTP
(5) FTP (6) CGI (7) TCP
- Q.2** (a) Explain CSS and its type with example. **07**
(b) Write an HTML and JavaScript program which accepts N as input and displays first N Fibonacci numbers as list. **07**
- OR**
- (b) What is HTML form? Design a simple HTML form for registration of a Patient for Hospital Management System. **07**
- Q.3** (a) Explain the purpose of the following DOM methods and properties. **07**
(i) getElementById (ii) createElement
(iii) appendChild (iv) parentNode
- (b) Differentiate XSL and XSLT with example. **07**
- OR**
- Q.3** (a) Why do you need validation? Show the use of regular expression in JavaScript to validate the email address with example. **07**
(b) Explain web feed and blogs with their importance and in specific situation where they should be used. **07**
- Q.4** (a) What is SOAP? Explain structure of SOAP. **07**
(b) Explain RSS elements with example. What are the uses of RSS? **07**
- OR**
- Q.4** (a) Write an External CSS with following rules. **07**
i) To make all the headers with normal font and having size 150%.
ii) To display the paragraphs in arial font with bold style.
Show the use of above css with html file by linking it.
- (b) Define DHTML. Explain onLoad, onBlur, image preloading, change image size, mouse cursor position. **07**
- Q.5** (a) Describe Session Management and Use of Session Variables With Example. **07**
(b) Write a PHP program to find whether entered year is leap year or not. **07**
- OR**
- Q.5** (a) What are cookies? Explain the cookies handling in PHP with proper example. **07**
(b) Write PHP code for database connectivity. Apply insert and delete operation with proper example. **07**
