

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**BE - SEMESTER- VI (OLD) • EXAMINATION – WINTER 2017**

**Subject Code:160705****Date: 08-11-2017****Subject Name: Web Application Development****Time: 02:30 pm 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) Show how HTTP request and responses are handled with respect to web server. **07**  
 (b) Discuss the following with respect to Web design. **07**
1. Bandwidth and cache
  2. Look and Feel
- Q.2** (a) Explain the use of XSL Elements value-of, for-each, sort with example. **07**  
 (b) What is Document Object Model? Explain the various objects in Document Object Model. **07**
- OR**
- (b) Give the document structure for the XHTML document and give the characteristics which differentiate it from HTML. **07**
- Q.3** (a) What is CSS? Explain the different types of CSS. **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) (i) What are the problems with FTP(file transfer protocol)? **04**  
 (ii) What is the meaning of the following? **03**
- a. `<meta name="robots" content="noindex,nofollow"/>`
  - b. `<meta http-equiv="pragma", content="no-cache"/>`
- (b) Explain the two ways in which XML parser checks whether a document follows the expected order and structure. **07**
- Q.4** (a) What is RSS? Explain its elements by example? What is use of RSS? **07**  
 (b) How user defined objects are created in JAVAScript? How a constructor can be used to populate data in the object? **07**
- OR**
- Q.4** (a) What is SOAP? Explain structure of SOAP. **07**  
 (b) Define DHTML. Explain onLoad, onBlur, image preloading, change image size, mouse cursor position. **07**
- Q.5** (a) What is PHP? Write down source code to create database and retrieve data with connection of PHP. **07**  
 (b) What is myadmin and database bug? What is function in PHP? Explain types of function with example. **07**
- OR**
- Q.5** (a) What are cookies? Explain the cookies handling in PHP with proper example. **07**  
 (b) Explain with suitable example, string manipulation with PHP. **07**

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