



**B.C.A. (Semester – V) Examination, October 2015**  
**WEB TECHNOLOGY (Revised Course)**

Duration : 2 Hours

Max. Marks : 50

**Instructions :** i) *All questions are compulsory.*  
ii) *Figures to the right indicate full marks.*

1. A) Define the following : (5×1=5)
  - i) Domain Naming System
  - ii) Hypertext
  - iii) Box Model in CSS
  - iv) Regular Expressions
  - v) Well-formed XML.
- B) Give a technical term for the following : (5×1=5)
  - i) HTML Tags that describe the containing web page.
  - ii) An action that occurs when a user interacts with a Web page.
  - iii) Defining the CSS style within the tag.
  - iv) A recorded collection of transactions between client/server per unit time.
  - v) A secure protocol layer above TCP/IP that encrypts data and authenticates servers identity.
2. A) Explain the client/server model in web. 2
- B) Explain the concept of identifiers and classes in CSS. 3
- C) With a suitable example explain the different form fields that can be created on a webform. 5
3. A) What are indexed arrays in JavaScript ? 2
- B) Explain the various dialog boxes in JavaScript. 3
- C) With suitable examples explain the setInterval and setTimeout methods of the Window Object. 5

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| 4. A) What are the different data types in PHP ?   | 2 |
| B) Explain superglobals in PHP.  | 3 |
| C) With a suitable example explain the concept of cookies in PHP.                            | 5 |
| 5. A) What is a Document Type Definition in XML ?  | 2 |
| B) Compare and contrast HTML and XML.  | 3 |
| C) Explain the working of the hashing based public/ private key digital signature algorithm. | 5 |
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