



**B.C.A. (Semester – V) Examination, April 2016**  
**WEB TECHNOLOGY**

Duration : 2 Hours

Max. Marks : 50

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

1. A) Write technical statements for **each** of the following : (5×1=5)
- i) Insert a comment in HTML.
  - ii) HTML Frameset to horizontally divide the webpage in two equal halves.
  - iii) CSS style to set an image as a page background.
  - iv) JavaScript statement to concatenate two strings.
  - v) PHP statement to connect with the MySQL server.
- B) Give a point of difference between **each** of the following : (5×1=5)
- i) Static and Dynamic Web Page.
  - ii) Client-side and server-side script.
  - iii) Classes and identifiers in CSS.
  - iv) Sanitizing and validating filters in PHP.
  - v) DTD and Schema in XML.
2. A) Compare and contrast HTTP and HTTPS protocol. 2
- B) Explain the CSS Box Model. 3
- C) What are web forms ? Explain the get and post methods in form processing. 5
3. A) What is inline scripting ? How can you handle Java Scripting on older Unsupportive Browsers ? 2
- B) What is form validation ? Write JavaScript statements for the following : 3
- i) Empty field validation.
  - ii) Numeric field validation.
- C) Explain the methods of the DOM navigator object. 5





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| 4. A) How do stateless servers maintain client transaction records ?                         | 2 |
| B) Explain the mail function in PHP.   | 3 |
| C) Explain the error handling mechanism in PHP.  | 5 |
| 5. A) What are search engines ? How can you get your website listed by search engines ?      | 2 |
| B) Explain any two XML Vocabularies.   | 3 |
| C) Explain how we can secure online transactions using the Public Key Encryption algorithm ? | 5 |