



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

Duration : 2 Hours

Total Marks : 50

Instructions : 1) **All questions are compulsory.**
 2) **Figures to the right indicates full marks.**

1. A) Define the following :

(5×1=5)

- a) Search Engine Optimization
- b) XML
- c) APIs
- d) Regular Expressions
- e) Cryptography.

B) State if the following statements are **true** or **false**. If **false** justify :

(5×1=5)

- a) Javascript considers the variables number and Number to be identical.
- b) Function die never takes arguments.
- c) Data submitted through the HTTP post method is stored in an array \$-Post.
- d) Cookies are stored on the server computer.
- e) The on Focus event fires when an element loses Focus.

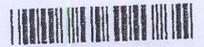
2. Answer the following.

- a) Explain SSL Stack. 2
- b) Explain the process of table creation in HTML with appropriate examples. 3
- c) What are Frames ? With suitable example explain the concept of Frames in HTML. 5

3. Answer the following.

- a) Explain LastIndexOf () and Substr () string methods. 2
- b) Explain the functioning of a 3-tier web application. 3

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- c) Design a web page having following components Employee name, and Mobile Number along with submit and reset button. Perform the following validations using Javascript :
 - 1) Employee name can have only alphabets 5
 - 2) Ten digit Mobile Number. 5

- 4. Answer the following.
 - a) What is Web Server ? Explain functions of web server. 2
 - b) Explain any three DOM objects. 3
 - c) Explain External Stylesheets with an example. 5

- 5. Answer the following.
 - a) Write a short note on Digital Signatures. 2
 - b) Explain XML Document type definitions. 3
 - c) Explain mysqli-connect (), mysqli-query () and mysqli-close () in PHP. 5
