



**B.C.A. (Semester – V) Examination, April 2018**  
**WEB TECHNOLOGY**

Duration : 2 Hours

Max. Marks : 50

**Instructions** : 1) **All** questions are **compulsory**.

2) Figures to the **right** indicate **full** marks.

3) Draw diagrams **wherever** necessary.

1. A) Define the following :

(1×5=5)

- a) Web Service.
- b) Rich Internet Application.
- c) W3C.
- d) SSL.
- e) Database.

B) State whether **each** of the following statements is **True** or **False**.

(1×5=5)

- a) Internet requires commonly agreed set of rules to communicate between computers.
- b) A world wide web contains web pages residing in many computers linked together using HTML.
- c) DTD definition is used along with XML to specify the data types of the contents of XML document.
- d) The advantages of XML over HTML are it uses meaningful tags which aids in understanding the nature of a document.
- e) HTML and XML are markup languages are versions of SGML.

2. Answer the following :

a) What is the use of DOM in W3C standards ?

2

b) Briefly explain the various html list tags.

3

c) Discuss the concept of Dynamic Hypertext Markup Language. Highlight any two challenges faced by web developers in using it.

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3. Answer the following :

- a) What is the difference between \$name and \$\$name in PHP ? 2
- b) Compare and contrast between client side script and server side script. 3
- c) Define the term positioning in CSS and mention its various types. 5

4. Answer the following :

- a) What are Regular Expressions ? 2
- b) Explain the various dialog boxes in JavaScript. 3
- c) Define the term Cookie. What are pros and cons of using cookies ? 5

5. Answer the following :

- a) Write any two disadvantages of Apache web server. 2
- b) Briefly highlight the various ways in Hardening Web Application Security. 3
- c) Briefly explain the predefined variables \$\_GET, \$\_POST and \$\_REQUEST in PHP. 5

B) State whether each of the following statements is True or False. (1x2=2)

- a) Internet requires commonly agreed set of rules to communicate between computers.
- b) A world wide web contains web pages residing in many computers linked together using HTML.
- c) DTD definition is used along with XML to specify the data types of the contents of XML document.
- d) The advantages of XML over HTML are it uses meaningful tags which aids in understanding the nature of a document.
- e) HTML and XML are markup languages are variants of SGML.

2. Answer the following :

- a) What is the use of DOM in W3C standards ? 2
- b) Briefly explain the various HTML tags. 3
- c) Discuss the concept of Dynamic Hypertext Markup Language. Highlight any two challenges faced by web developers in using it. 5