MCA
(SEM. IV) THEORY EXAMINATION 2017-18
WEB TECHMOLOGY

Time: 3 Hours   *Total Marks: 100*

Note: Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1.   **Attempt *all* questions in brief.**   **2 x 10 = 20**

   (a)   What do you mean by well-known ports?

   (b)   What is meant by Name Resolution?

   (c)   What Boolean operators are not supported by JavaScript?

   (d)   How to create an Object in JavaScript ?

   (e)   What are the problems with using XML attributes?

   (f)   What is the HTML DOM?

   (g)   Explain common XMLHttpRequest Object Methods.

   (h)   Explain AJAX and its advantages.

   (i)   Write a PHP script to display today's date.

   (j)   How Cookies are handled in PHP?

SECTION B

2.   **Attempt any *three* of the following:**   **10 x 3 = 30**

   (a)   What are the advantages of JSP over Common Gateway Interface (CGI)? JSP provide better performance, prove this statement.

   (b)   Explain data interchange in an XML document. Show example.

   (c)   Differentiate between VBScript and JavaScript. Use examples.

   (d)   Explain the idea behind using the CAPTCHA kind of challenge-response authentication in websites. What is its use?

   (e)   How array is declared in PHP. Also explain various types of array with proper examples.

SECTION C

3.   **Attempt any *one* part of the following:**   **10 x 1 = 10**

   (a)   What is functionality of HTTP? Describe the architecture of TCP/IP?

   (b)   What is the role of web sites in today's life? Explain the various security issues that must be considered to construct a commercial web site.

4.   **Attempt any *one* part of the following:**   **10 x 1 = 10**

   (a)   What do you mean by expression? Explain Boolean, Arithmetic and Relational expression.

   (b)   Define DHTML. Explain any four components of DHTML.

5.   **Attempt any *one* part of the following:**   **10 x 1 = 10**

   (a)   What do you mean by PHP. What are the benefits of PHP? Write PHP code to demonstrate array handling (I.e. numeric, associative).

   (b)   What is the role of MVC 2 in JSP Explain with example?

6.   **Attempt any *one* part of the following:**   **10 x 1 = 10**

   (a)   Explain web development life cycle and its methodologies?

   (b)   How array is declared in PHP. Also explain various types of array with proper examples

7.   **Attempt any *one* part of the following:**   **10 x 1 = 10**

   (a)   What is DTD? Why is it important to specify a DTD for an XML document?

   (b)   Explain about CSS:

       (a) Style Sheet Rules
       (b) Styling a page
       (c) Linking Style Sheets
       (d) Explore Style properties
       (e) Style Sheets and positioning