

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

MCA (2012 Batch) (Sem.-5)

WEB TECHNOLOGIES

Subject Code : MCA-503

Paper ID : [A3161]

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTION TO CANDIDATES :

- 1. SECTIONS-A, B, C & D contains TWO questions each carrying TWENTY marks each and students has to attempt any ONE question from each SECTION.**
- 2. SECTION-E is COMPULSORY consisting of TEN questions carrying TWENTY marks in all.**
- 3. Use of non-programmable scientific calculator is allowed.**

SECTION-A

1.
 - a) Discuss ways in which XML is used for web application development. Illustrate with example.
 - b) What do you mean by XML attributes? What are the syntax rules for XML attributes? Describe.
2.
 - a) What are XML Namespaces? How are they declared? Discuss an example with relevant syntax.
 - b) What do you mean by XSTL? How do you use it with XML for effective web application? Explain.

SECTION-B

3.
 - a) What is Ajax? What are various standards used by Ajax? Discuss.
 - b) What is an event in context of jQuery? Briefly discuss some events commonly handled using jQuery.
4.
 - a) What is the significance of XMLHttpRequest object in Ajax? Describe with an example.
 - b) How do you retrieve page content using jQuery? Describe with a sample code.

SECTION-C

5.
 - a) What are special behavioral characteristics of Web Services? Explain.
 - b) What is JSON? Describe JSON syntax rules with an example.
6.
 - a) What are the major elements of a SOAP message? Explain.
 - b) What are various types of web services? Draw a comparison among them.

SECTION-D

7. What is Content Management System (CMS)? What general features does any CMS offer? How are they useful? Describe.
8.
 - a) What steps do you follow to build a website for an educational institute using Wordpress? Discuss.
 - b) How can you customize and rearrange your Wordpress dashboard? Describe.

SECTION-E

9.
 - a) Mention one way to define XML schema.
 - b) What is Document Object Model?
 - c) What is the use of external DTD?
 - d) Mention benefits of using Ajax.
 - e) What is jQuery?
 - f) What is the use of service registry in a Web service?
 - g) Mention few uses of JSON.
 - h) What kind of security is needed for Web Services?
 - i) Name some popular CMS.
 - j) What are the positive aspects of Wordpress?