

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 09

MCA (2012 to 2014 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 What is need and significance of XML? What are XML elements? Discuss the role of attributes and XML schema in web technologies.
- 2 Explain the following :
 - a) Features of XML Document Object Model
 - b) Use of XSLT with XML

SECTION-B

- 3 Write notes on the following :
 - a) Role and working of Ajax in web development.
 - b) Significance of Query in web development.
- 4 Write and explain the procedure to retrieve and manipulate page contents of a website.

SECTION-C

- 5 What is web service? What is its need? Explain different types of web services.
- 6 What is JSON? What are its uses and characteristics? Write and explain the structure of JSON program.

SECTION-D

- 7 What is significance of Wordpress? Write and explain the procedure to create a simple website using Wordpress.
- 8 Explain the following :
 - a) Customization of Wordpress website
 - b) Content management system and its benefits

SECTION-E

- 9 **Write briefly :**
 - a) How to declare an element in DTD?
 - b) Differentiate “HTML and XML”.
 - c) Define SOAP.
 - d) What is use of envelope in SOAP?
 - e) What is a network website?
 - f) Define event. List its types.
 - g) List various demerits of Ajax.
 - h) List various XML syntax rules.
 - i) What are entities in XML?
 - j) What is wrapping in XML?