Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐ Total No. of Pages : 02

Total No. of Questions : 18

MCA (2015 & Onwards) (Sem.–5)
WEB TECHNOLOGIES
Subject Code : MCA-503
M.Code : 74383

Time : 3 Hrs. Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTIONS-A, B, C & D contains TWO questions each carrying TEN marks each and students have to attempt any ONE question from each SECTION.
2. SECTION-E is COMPULSORY consisting of TEN questions carrying TWENTY marks in all.

SECTION-A

1. Design XML file to store the details of a bill with elements like bill#, bill-date, PO#, bill-amt, bill- due, and date.

2. a) Discuss why XML namespace is important. How do you declare and use a namespace?

   b) Write an XML document to illustrate elements, attributes and DATA section.

SECTION-B

3. What is Ajax control kit? What are the various Ajax controls? Discuss the properties and methods of any one control.

4. What is an Event? How is an event handled in jQuery? Discuss the various mouse events with an example.

SECTION-C

5. Write a PHP script to accept personal details of student (rno, name, class) on first page. On second page, accept marks of six subjects (out of 100). On third page, print marklist (rno, name, class, marks, total, percentage).

6. What is a Cookie? Explain the anatomy of a Cookie. Explain the setcookie() function along with all its arguments.

SECTION-D

7. What are Web Services? What are the basic characteristics of a Web Services Application Model? What are the types of web services?

8. What is a Content Management System? What are its benefits? Briefly discuss the types of CMS with examples.

SECTION-E

Answer briefly :

9. What is the use of XSLT with XML?

10. What are XML attributes?

11. What are element naming rules in XML?

12. What are the advantages of schemas over DTD?

13. What is DOM? What are the different levels of DOM?

14. Discuss get() and post() methods with examples.

15. Explain database connectivity with MySql.

16. What are the two ways of iterating through arrays in PHP?

17. Define WSDL.

18. Name any two computer based CMS.