Roll No. Total No. of Pages : 2

Total No. of Questions: 09

MCA (2015 & Onward) (Sem.-5)
WEB TECHNOLOGIES
Subject Code: MCA-503
Paper ID: [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 has to attempt any ONE question from each SECTION.
- SECTION-E is COMPULSORY consisting of TEN questions carrying TWENTY marks in all.

SECTION-A

- Q1. What is XML? Write the difference between XML DTD and XML Schema.
- Q2. a) Explain XML DTD for any tag with example.
 - b) What is Document Object Model (DOM)? What is the purpose of the XML DOM? How an in- memory representation of an XML document is created?

SECTION-B

- Q3. What is Ajax? What is the use of Ajax in website? Discuss the benefits of Ajax from its asynchronous communication support.
- Q4. What is jQuery? Why do we use jQuery? What are selectors in jQuery and how many types of selectors are there? What is the difference between empty(), remove() and detach() methods in jQuery?

SECTION-C

- Q5. Write a PHP script to accept user name and password from user. Create a function check() if user name and password is present or not and also assign default value to user as superuser and return those values.
- Q6. What is a Cookie? Explain the anatomy of a Cookie. Explain the setcookie() function along with all its arguments.

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SECTION-D

- Q7. What do you mean by Web Services? What are its uses? Discuss different types of web services in detail.
- Q8. Explain the objectives of a Content Management System (CMS). What are various benefits of a Content Management System? Discuss in detail.

SECTION-E

Q9. Answer briefly:

- a) Explain the role of XML in open Source Software Development.
- b) What are XML editors?
- c) What is XSLT?
- d) What are complex types?
- e) How can a request be created and sent to server using Ajax?
- f) What is the difference between web service and web server?
- g) Is jQuery replacement of Java Script?
- h) What are the hardware and software requirements of PHP?
- i) What is the difference between each() and foreach()?
- j) How HTML code is included in a PHP page?

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