CBCS Scheme

USN ☐☐☐☐☐☐☐☐☐☐

First Semester MCA Degree Examination, Dec.2017/Jan.2018
Web Technologies

Time: 3 hrs.

Max. Marks: 80

Note: *Answer FIVE full questions, choosing one full question from each module.*

Module-1

1	a.	What are the two phases of HTTP? Explain each of them in detail.	(12 Marks)
	b.	Explain i) Application server ii) Important components of web.	(04 Marks)

OR

2	a.	Explain the following : i) URL ii) MIME iii) Domain Names.	(09 Marks)
	b.	What is a Web Server? Explain its operation and characteristics.	(07 Marks)

Module-2

3	a.	List and explain Basic Text Markup with example.	(08 Marks)
	b.	Explain Selector Forms with example.	(08 Marks)

OR

4	a.	List and explain all the Forms elements in XHTML using suitable example.	(08 Marks)
	b.	What is CSS? Explain the different levels of CSS with examples.	(08 Marks)

Module-3

5	a.	Describe the two ways of embedding JavaScript in XHTML with example.	(08 Marks)
	b.	Explain document object model structure for a simple document.	(08 Marks)

OR

6 a. Write a XHTML document to create the following form given in fig.Q6(a) and JavaScript code to calculate the area of rectangle on click of the button. Display the result on the form. **(10 Marks)**

Fig.Q6(a)

```
            Area of Rectangle
  Length  : [              ]
  Breadth : [              ]
  [ Calculate ]
  Result  : [              ]
```

b. Explain the three different approaches of accessing elements in JaveScript. **(06 Marks)**

Module-4

7	a.	Explain Stacking Elements with an example.	(08 Marks)
	b.	Define DTD. Explain with an example how to declare elements , attributes and entities in DTD.	(08 Marks)

OR

8 a. Explain the ways of Positioning Elements in Dynamic Documents with JavaScript with a suitable example. (10 Marks)

  b. What is the purpose of XSLT Style Sheet? Explain XSLT processing with a neat diagram. (06 Marks)

Module-5

9 a. Explain the Fundamentals of Arrays in Perl with an example. (10 Marks)

  b. Explain common gateway interface. (06 Marks)

OR

10 a. Explain CGI.pm Module. (08 Marks)

  b. Explain the functions in Perl with a suitable example? (08 Marks)

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